STL Edison
777 New Durham Road
Edison, NJ 08817

Tel 732 549 3900 Fax 732 549 3679
www.stl-inc.com

11/30/2005

ENSR Consulting & Engineering - NJ
20 New England Ave
Piscataway, NJ 08854

Attention: Mr. Greg Micalizio

Laboratory Results
Job No. I456 - Phillipsburg

Dear Mr. Micalizio:

Enclosed are the results you requested for the following sample(s) received at our laboratory on November 4, 2005.

Lab No.	Client ID	Analysis Required
684309	WW2A	PP VOA+10
684310	WW2B	PP VOA+10
684311	WW2C	PP VOA+10
684312	WW2D	PP VOA+10
684313	WW2E	PP VOA+10
684314	F110405	PP VOA+10
684315	T110405	PP VOA+10

An invoice for our services is also enclosed. If you have any questions please contact your Project Manager, David Lissy, at (732) 549-3900.

Very Truly Yours,

Michael J. Urban
Laboratory Manager

Analytical Results Summary

Client ID: **WW2A**
Site: Phillipsburg

Lab Sample No: **684309**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15542.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	0.6	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **WW2A**
Site: Phillipsburg

Lab Sample No: **684309**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15542.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
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TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **WW2B**
Site: Phillipsburg

Lab Sample No: **684310**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15543.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	0.5	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **WW2B**
Site: Phillipsburg

Lab Sample No: **684310**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15543.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	C9H10 Aromatic	9.89	4.6	
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TOTAL ESTIMATED CONCENTRATION	4.6

Client ID: **WW2C**
Site: Phillipsburg

Lab Sample No: **684311**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15544.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	0.4	0.3
Chloroethane	1.1	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **WW2C**
Site: Phillipsburg

Lab Sample No: **684311**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15544.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	C9H10 Aromatic	9.89	8.8	
2.	C10H12 Aromatic	10.45	3.5	
3.	2,3-dihydro-methyl-1H-Indene isomer	11.08	7.8	
4.	Methylnaphthalene isomer	12.46	4.0	
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TOTAL ESTIMATED CONCENTRATION	24

Client ID: **WW2D**
Site: Phillipsburg

Lab Sample No: **684312**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/10/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15592.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	0.8	0.3
Chloroethane	3.1	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **WW2D**
Site: Phillipsburg

Lab Sample No: **684312**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/10/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15592.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	C9H10 Aromatic	9.84	4.2	
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TOTAL ESTIMATED CONCENTRATION	4.2

Client ID: **WW2E**
Site: Phillipsburg

Lab Sample No: **684313**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15546.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	0.9	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **WW2E**
Site: Phillipsburg

Lab Sample No: **684313**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15546.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
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TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **F110405**
Site: Phillipsburg

Lab Sample No: **684314**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15547.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **F110405**
Site: Phillipsburg

Lab Sample No: **684314**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15547.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
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TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **T110405**
Site: Phillipsburg

Lab Sample No: **684315**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15548.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **T110405**
Site: Phillipsburg

Lab Sample No: **684315**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15548.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
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TOTAL ESTIMATED CONCENTRATION	0.0

General Information

Chain of Custody

I456

STL Edison

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STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE 1 OF 1

Name (for report and invoice) GREGG MICALIZIO	Samplers Name (Printed) S. Holz, A. Mosley	Site/Project Identification IR - Pburg
Company ENSR	P.O. #	State (Location of site): NJ: ☒ NY: ☐ Other:
Address 20 NEW ENGLAND AVE	Analysis Turnaround Time: Standard ☒	Regulatory Program: ISRA
City PISCATAWAY State NJ	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	LAB USE ONLY Project No: 31678
Phone 732-981-0200 Fax 732-981-0116		Job No: I456

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of Cont.	VOA										Sample Numbers
WW2A	11.4.05	13:00	GW	3	X										684309
WW2B	11.4.05	13:15	GW	3	X										310
WW2C	11.4.05	13:30	GW	3	X										311
WW2D	11.4.05	13:45	GW	3	X										312
WW2E	11.4.05	13:55	GW	3	X										313
FIELD405	11.4.05	14:00	AQ	2	X										314
TIELD405	11.4.05	—	AQ	2	X										315
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH				Soil:											
6 = Other _____, 7 = Other _____				Water:	1/2										

Special Instructions Water Metals Filtered (Yes/No)?

Relinquished by	Company	Date / Time	Received by	Company
1) Jeff Holz	ENSR	11.4.05 15:30	1) Utpalash	STL Edison
Relinquished by 2)	Company	Date / Time	Received by 2)	Company
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

Laboratory Chronicles

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
STL Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: I456 **Site:** Phillipsburg

Client: ENSR Consulting & Engineering - NJ

VOAMS

WATER - 624

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
684309	11/4/2005	11/4/2005			11/9/2005	Deng, Lily	0187
684310	11/4/2005	11/4/2005			11/9/2005	Deng, Lily	0187
684311	11/4/2005	11/4/2005			11/9/2005	Deng, Lily	0187
684312	11/4/2005	11/4/2005			11/10/2005	Deng, Lily	0187
684313	11/4/2005	11/4/2005			11/9/2005	Deng, Lily	0187
684314	11/4/2005	11/4/2005			11/9/2005	Deng, Lily	0187
684315	11/4/2005	11/4/2005			11/9/2005	Deng, Lily	0187

Methodology Review

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2 Rev 4.1. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B. Water samples are analyzed for volatile organics by purge and trap GC/PID and GC/ELCD as specified in EPA Methods 601 and 602. Solid samples are analyzed by GC/PID and GC/ELCD in accordance with SW-846, 3rd Edition Method 8021B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in “Methods for Chemical Analysis of Water and Wastewater” (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication “Test Methods for Evaluating Solid Waste” (SW-846, 3rd Edition); samples are digested according to Method 3050B “Acid Digestion of Soil, Sediments and Sludges.”

Specific method references for ICP analyses are water Method - 200.7/SW846 6010B and for solid matrix - 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1/7470A and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

Element	Water Test Method Furnace	Solid Test Method Furnace
Antimony	200.9	7041
Arsenic	200.9	7060A
Cadmium	200.9	7131A
Lead	200.9	7421
Selenium	200.9	7740
Thallium	200.9	7841

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in water and solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability - Method 1020A

Corrosivity - Water pH Method 9040B
Soil pH Method 9045C

Reactivity - Chapter 7, Section 7.3.3 and 7.3.4 respectively for hydrogen cyanide and hydrogen sulfide release

Toxicity - TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 17th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

Data Reporting Qualifiers

DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified detection limit but greater than zero. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

Non-Conformance Summary

Nonconformance Summary

STL Edison Job Number: I456

Client: ENSR Consulting & Engineering - NJ

Date: 11/22/2005

Sample Receipt:

Sample delivery conforms with requirements.

Volatile Organic Analysis (GC/MS):

All data conforms with method requirements.

I certify that the test results contained in this data package meet all requirements of NELAC both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Michael J.Urban
Laboratory Manager

GC/MS Forms and Data (Volatiles)

Results Summary and Chromatograms

Client ID: **WW2A**
Site: Phillipsburg

Lab Sample No: **684309**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15542.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	0.6	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **WW2A**
Site: Phillipsburg

Lab Sample No: **684309**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15542.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15542.d
Report Date: 09-Nov-2005 09:16

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15542.d
Lab Smp Id: 684309 Client Smp ID: WW2A
Inj Date : 09-NOV-2005 04:49
Operator : VOA11 Inst ID: VOAMS11.i
Smp Info : 684309
Misc Info : I456;0187;;LD
Comment :
Method : /chem/VOAMS11.i/624/11-07-05/08nov05.b/624_05.m
Meth Date : 09-Nov-2005 07:50 lily Quant Type: ISTD
Cal Date : 07-NOV-2005 13:40 Cal File: n15479.d
Als bottle: 37
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

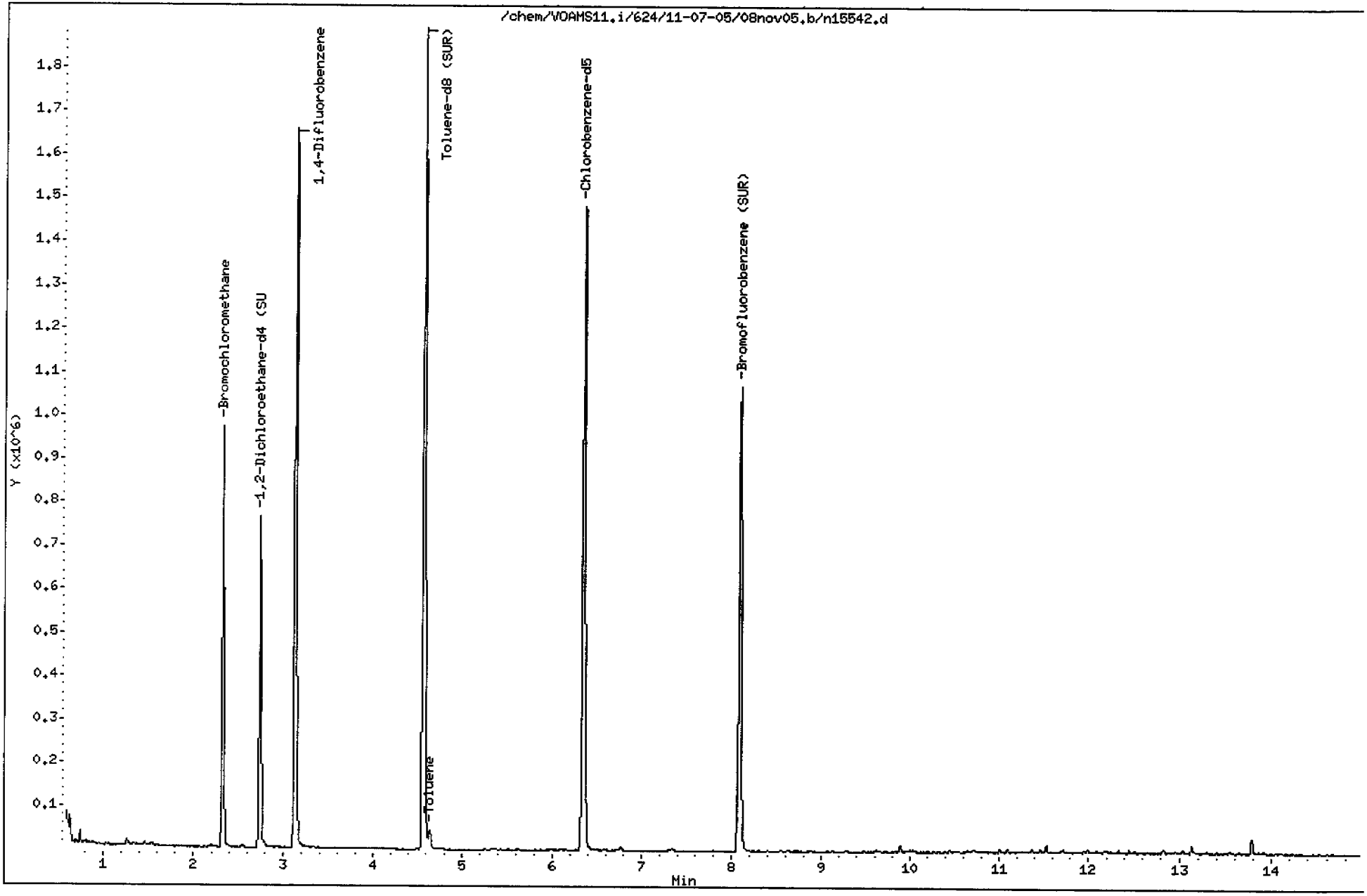
Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	2 Bromochloromethane	128	2.330	2.330	(1.000)	209073	30.0000	
$	16 1,2-Dichloroethane-d4 (SUR)	104	2.749	2.749	(0.878)	62548	30.2639	30
*	19 1,4-Difluorobenzene	114	3.133	3.127	(1.000)	1294802	30.0000	
$	37 Toluene-d8 (SUR)	98	4.562	4.562	(0.720)	1328535	29.7589	30
	38 Toluene	91	4.635	4.635	(0.731)	28785	0.60372	0.60
*	32 Chlorobenzene-d5	117	6.339	6.339	(1.000)	1027634	30.0000	
$	41 Bromofluorobenzene (SUR)	174	8.091	8.091	(1.276)	370605	29.4332	29

Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15542.d
Date : 09-NOV-2005 04:49
Client ID: WW2A
Sample Info: 684309
Purge Volume: 5.0
Column phase: DB624

Instrument: VOAMS11.i
Operator: VOA11
Column diameter: 0.18



Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15542.d

Date : 09-NOV-2005 04:49

Client ID: WW2A

Instrument: VOAMS11.i

Sample Info: 684309

Purge Volume: 5.0

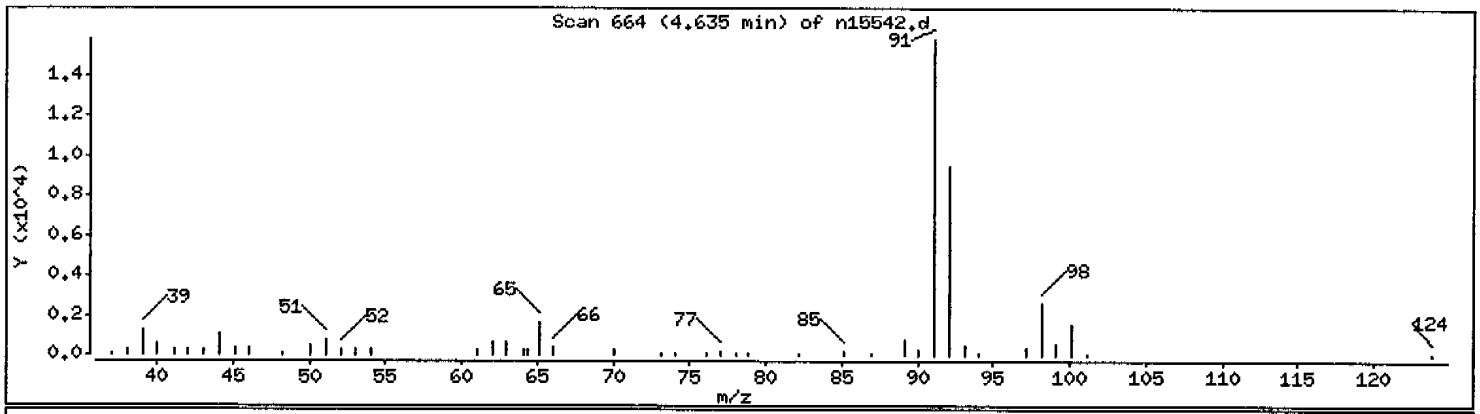
Operator: VOA11

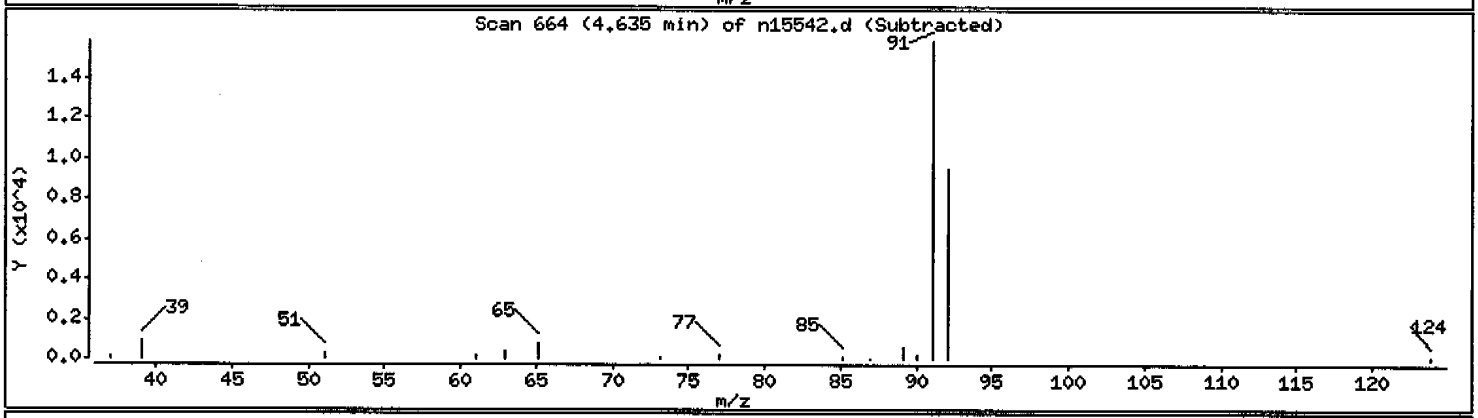
Column phase: DB624

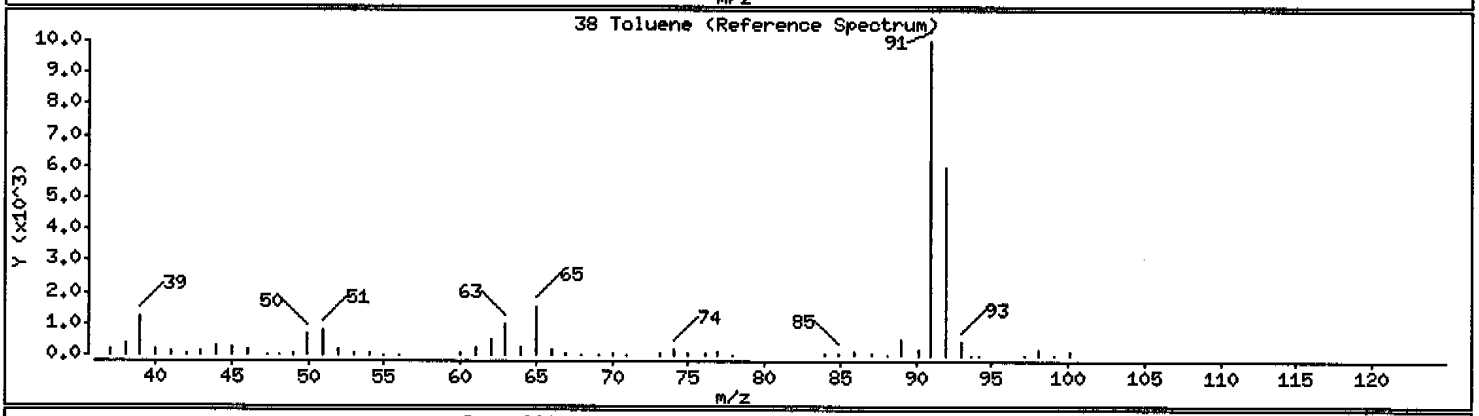
Column diameter: 0.18

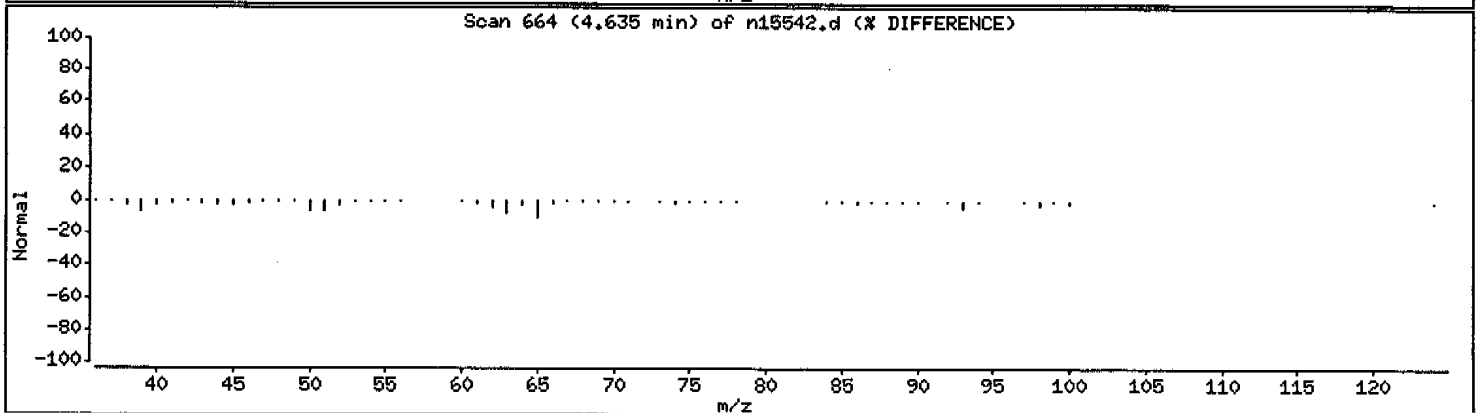
38 Toluene

Concentration: 0.60 ug/L









Client ID: **WW2B**
Site: Phillipsburg

Lab Sample No: **684310**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15543.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	0.5	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **WW2B**
Site: Phillipsburg

Lab Sample No: **684310**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15543.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	C9H10 Aromatic	9.89	4.6	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION 4.6

Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15543.d
Report Date: 19-Nov-2005 09:11

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15543.d
Lab Smp Id: 684310 Client Smp ID: WW2B
Inj Date : 09-NOV-2005 05:16
Operator : VOA11 Inst ID: VOAMS11.i
Smp Info : 684310
Misc Info : I456;0187;;LD
Comment :
Method : /chem/VOAMS11.i/624/11-07-05/08nov05.b/624_05.m
Meth Date : 16-Nov-2005 09:36 pritch Quant Type: ISTD
Cal Date : 07-NOV-2005 13:40 Cal File: n15479.d
Als bottle: 38
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

AMS 11/19/05

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

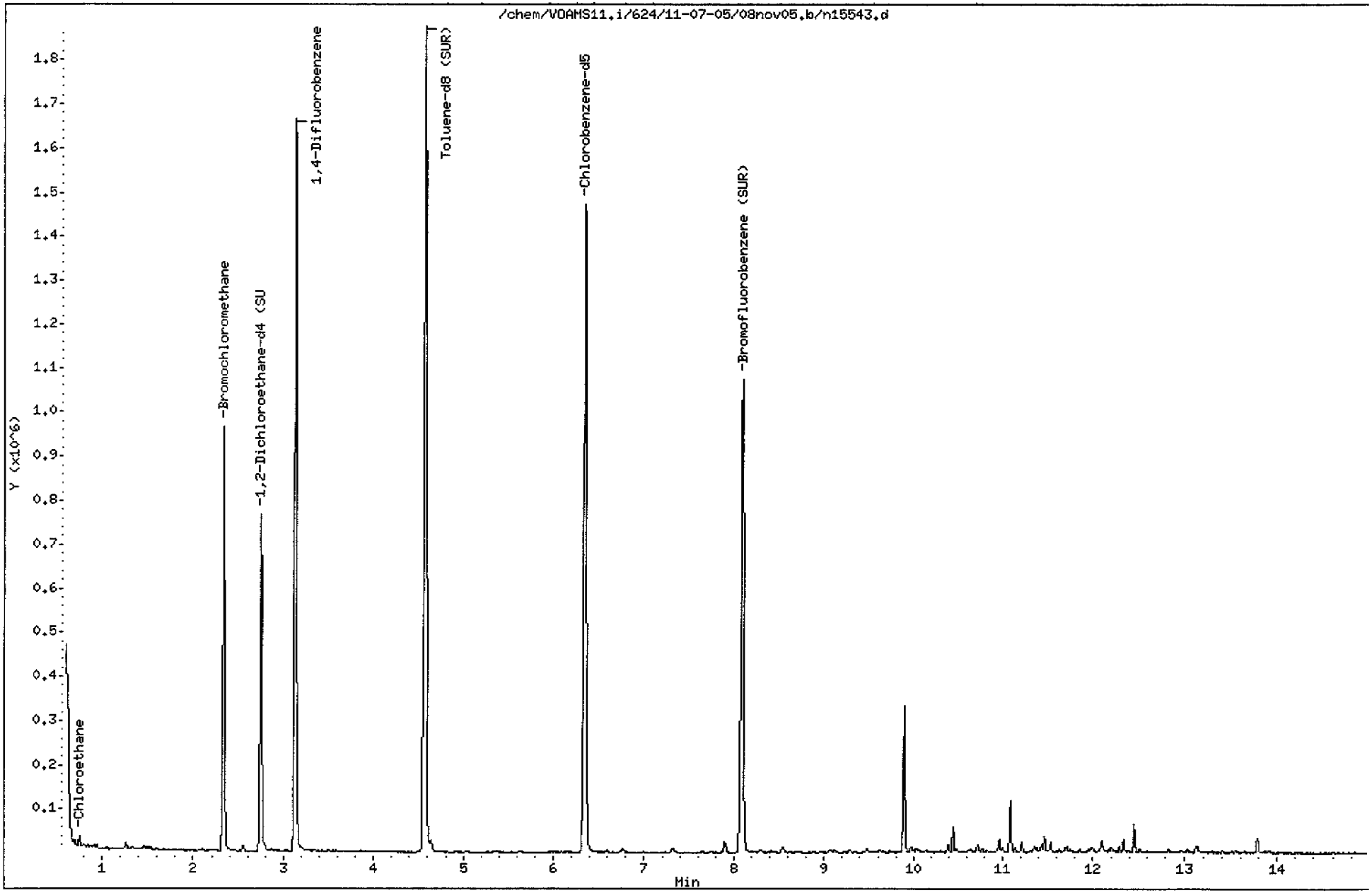
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
5 Chloroethane	64	0.918	0.912	(0.394)	3232	0.48870	0.49(H)
* 2 Bromochloromethane	128	2.329	2.330	(1.000)	208976	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	2.749	2.749	(0.879)	64261	31.0007	31
* 19 1,4-Difluorobenzene	114	3.126	3.127	(1.000)	1298645	30.0000	
$ 37 Toluene-d8 (SUR)	98	4.562	4.562	(0.720)	1317373	29.5362	30
* 32 Chlorobenzene-d5	117	6.339	6.339	(1.000)	1026682	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	8.091	8.091	(1.276)	370373	29.4420	29

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15543.d
Date : 09-NOV-2005 05:16
Client ID: WW2B
Sample Info: 684310
Purge Volume: 5.0
Column phase: DB624

Instrument: VOAMS11.i
Operator: VOA11
Column diameter: 0.18



Data File: /chem/VOAMS11.i/624/11-07-05/09nov05.b/n15543.d

Date : 09-NOV-2005 05:16

Client ID: WW2B

Instrument: VOAMS11.i

Sample Info: 684310

Purge Volume: 5.0

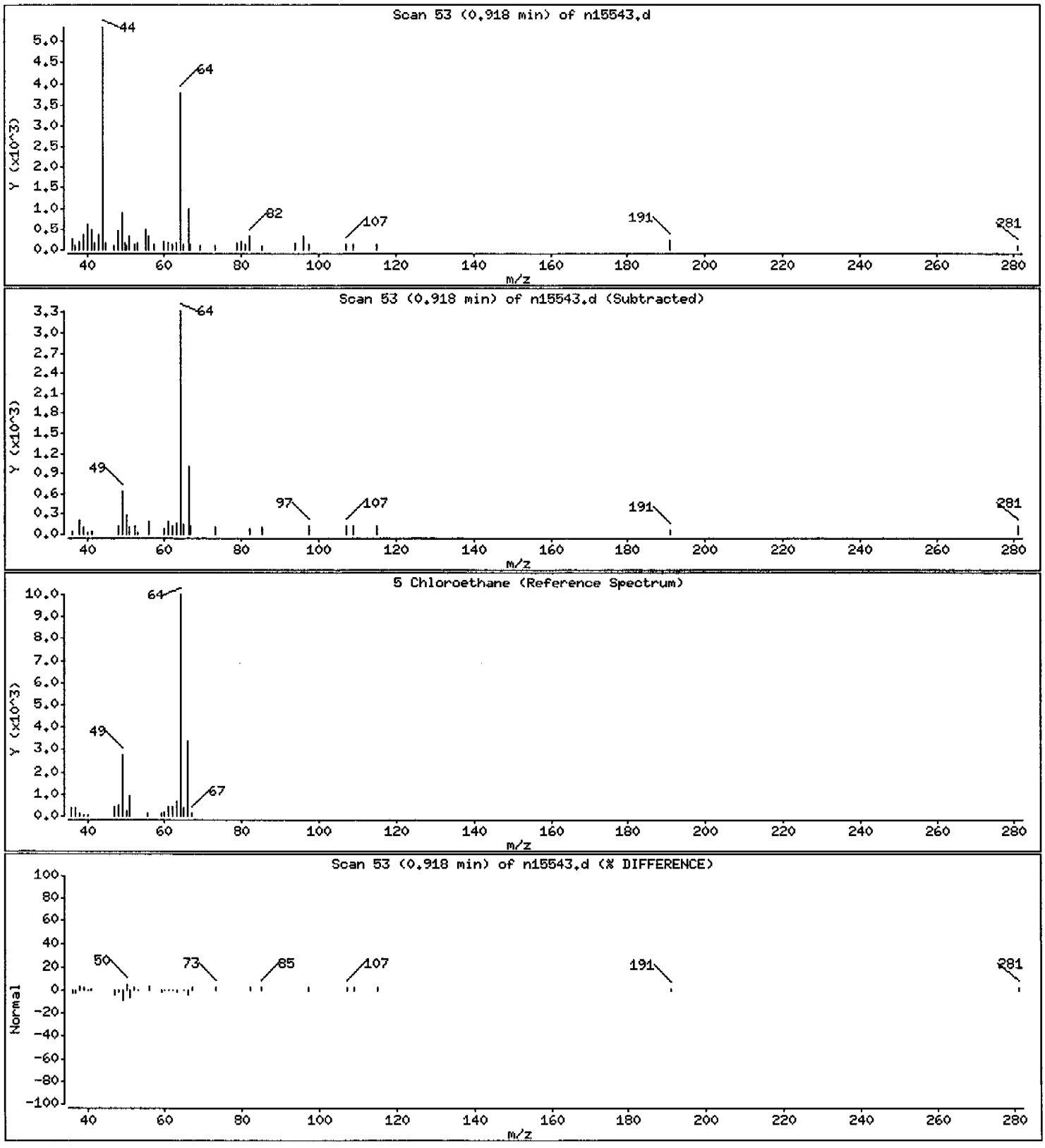
Operator: VOA11

Column phase: DB624

Column diameter: 0.18

5 Chloroethane

Concentration: 0.49 ug/L



Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15543.d

Date : 09-NOV-2005 05:16

Client ID: WW2B

Instrument: VOAMS11.i

Sample Info: 684310

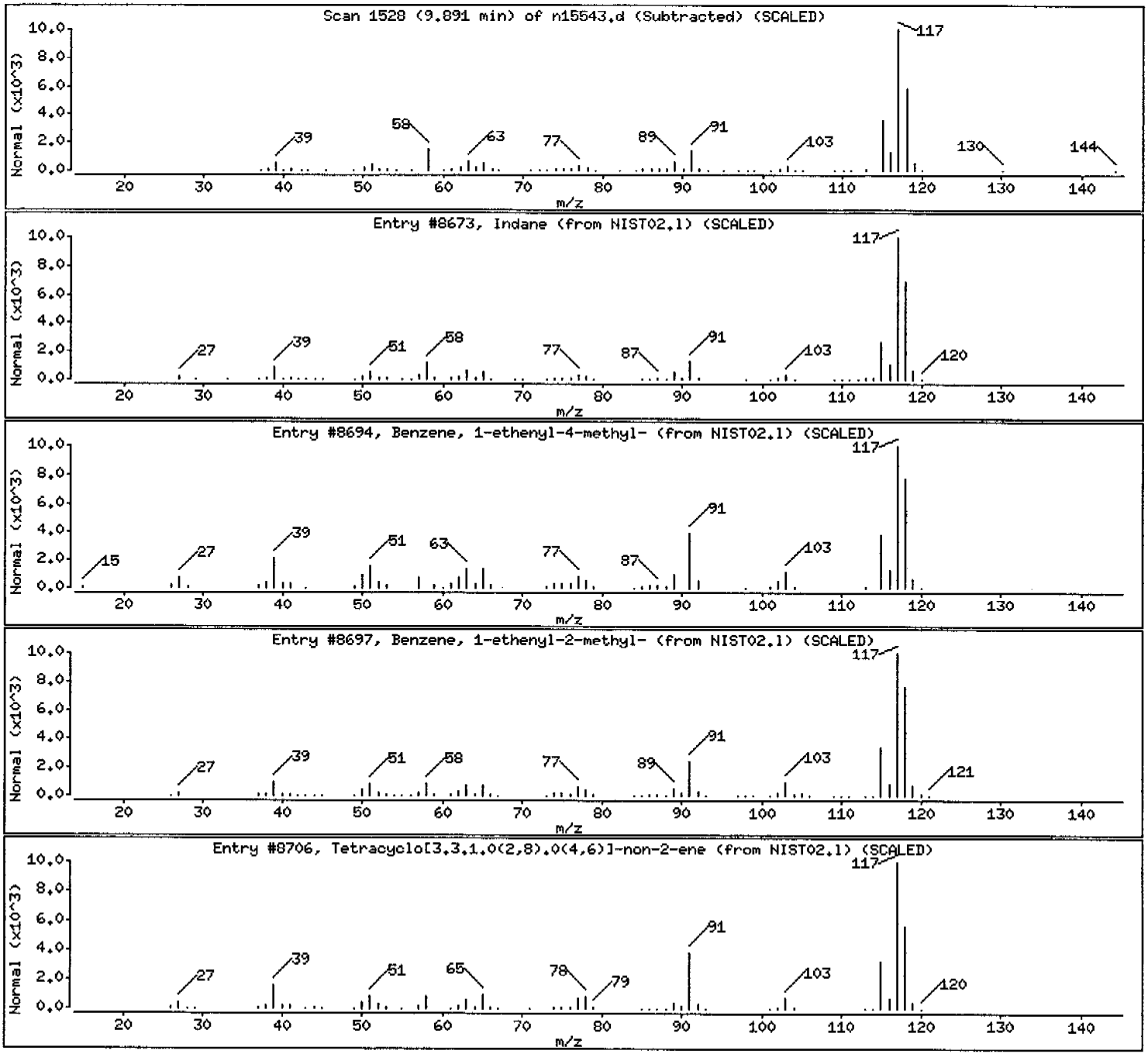
Purge Volume: 5.0

Operator: VOA11

Column phase: DB624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H10 Aromatic						
Indane	496-11-7	NIST02.l	8673	94	C9H10	118
Benzene, 1-ethenyl-4-methyl-	622-97-9	NIST02.l	8694	74	C9H10	118
Benzene, 1-ethenyl-2-methyl-	611-15-4	NIST02.l	8697	68	C9H10	118
Tetracyclo[3.3.1.0(2,8).0(4,6)]-non-2-en	1000191-13-7	NIST02.l	8706	64	C9H10	118



Client ID: **WW2C**
Site: Phillipsburg

Lab Sample No: **684311**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15544.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	0.4	0.3
Chloroethane	1.1	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **WW2C**
Site: Phillipsburg

Lab Sample No: **684311**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15544.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	C9H10 Aromatic	9.89	8.8	
2.	C10H12 Aromatic	10.45	3.5	
3.	2,3-dihydro-methyl-1H-Indene isomer	11.08	7.8	
4.	Methylnaphthalene isomer	12.46	4.0	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION: 24

Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15544.d
Report Date: 09-Nov-2005 09:16

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15544.d
Lab Smp Id: 684311 Client Smp ID: WW2C
Inj Date : 09-NOV-2005 05:43
Operator : VOA11 Inst ID: VOAMS11.i
Smp Info : 684311
Misc Info : I456;0187;;LD
Comment :
Method : /chem/VOAMS11.i/624/11-07-05/08nov05.b/624_05.m
Meth Date : 09-Nov-2005 07:50 lily Quant Type: ISTD
Cal Date : 07-NOV-2005 13:40 Cal File: n15479.d
Als bottle: 39
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

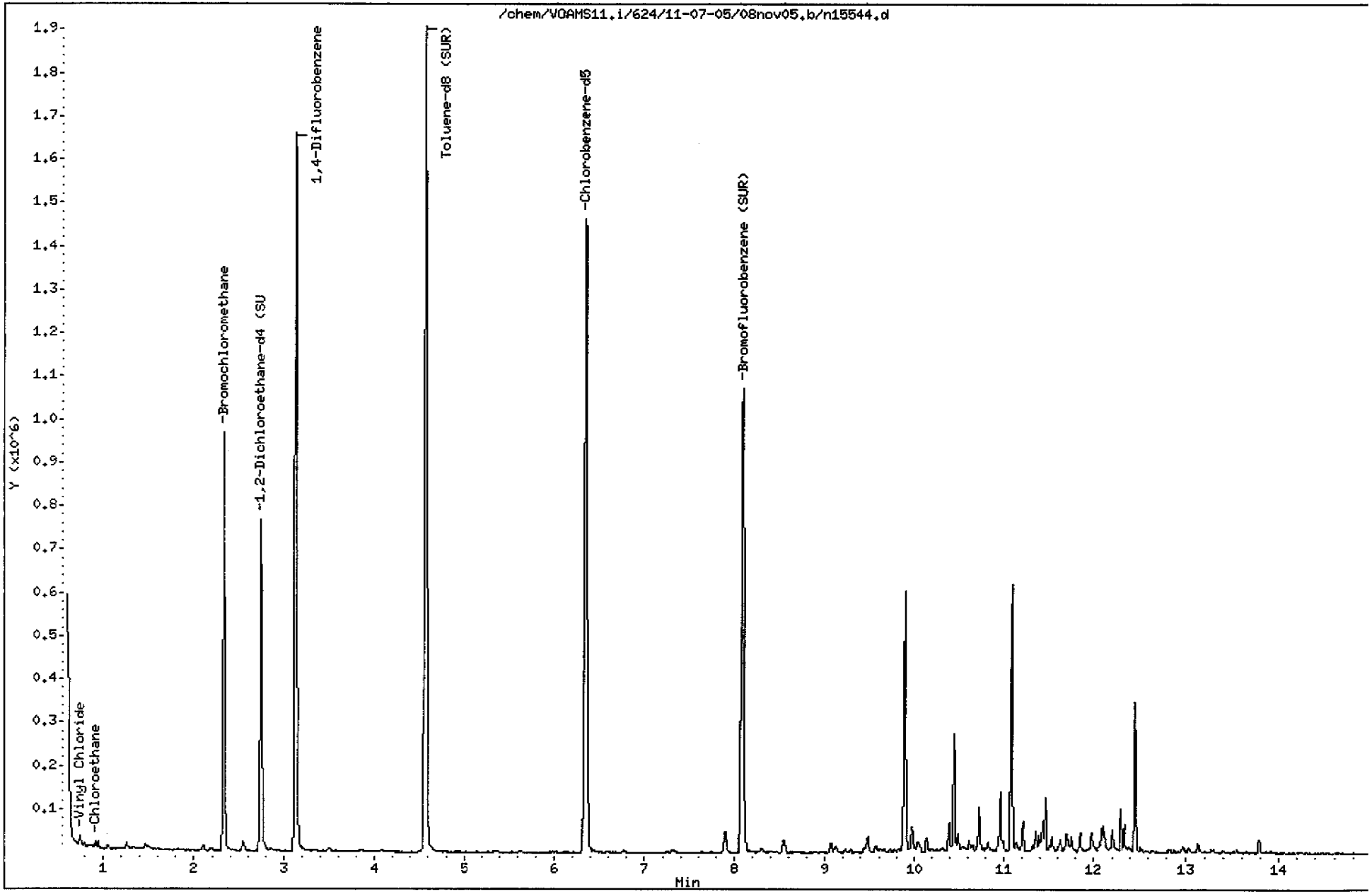
Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	4 Vinyl Chloride	62	0.760	0.760	(0.326)	6641	0.43850	0.44
	5 Chloroethane	64	0.918	0.912	(0.394)	7106	1.09587	1.1
*	2 Bromochloromethane	128	2.330	2.330	(1.000)	204896	30.0000	
$	16 1,2-Dichloroethane-d4 (SUR)	104	2.749	2.749	(0.879)	63945	31.0541	31
*	19 1,4-Difluorobenzene	114	3.127	3.127	(1.000)	1290037	30.0000	
$	37 Toluene-d8 (SUR)	98	4.562	4.562	(0.720)	1319772	29.5730	30
*	32 Chlorobenzene-d5	117	6.339	6.339	(1.000)	1027272	30.0000	
$	41 Bromofluorobenzene (SUR)	174	8.091	8.091	(1.276)	373012	29.6348	30

Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15544.d
Date : 09-NOV-2005 05:43
Client ID: WW2C
Sample Info: 684311
Purge Volume: 5.0
Column phase: DB624

Instrument: VOAMS11.i
Operator: VOA11
Column diameter: 0.18



Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15544.d

Date : 09-NOV-2005 05:43

Client ID: WW2C

Instrument: VOAMS11.i

Sample Info: 684311

Purge Volume: 5.0

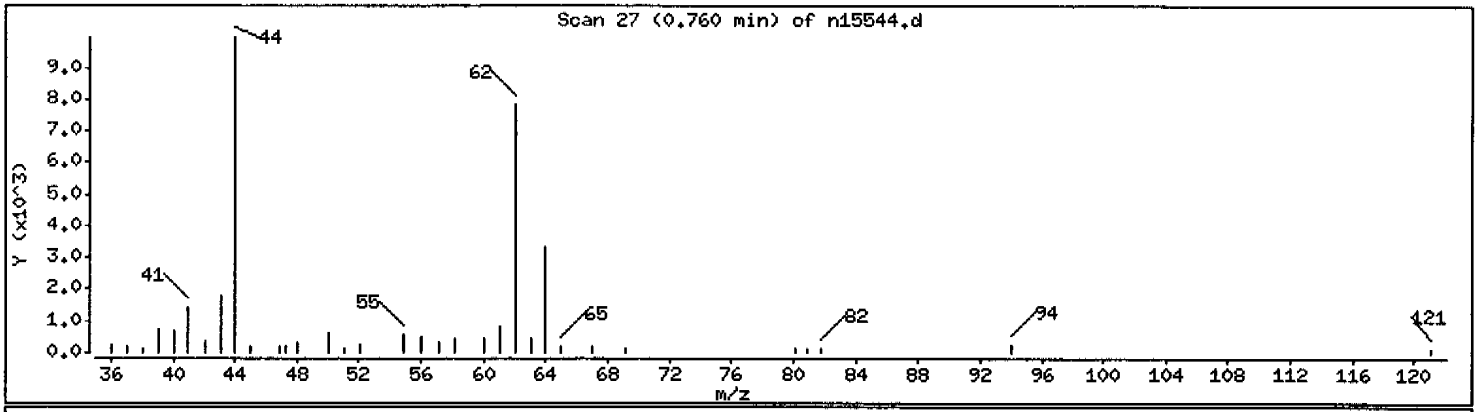
Operator: VOA11

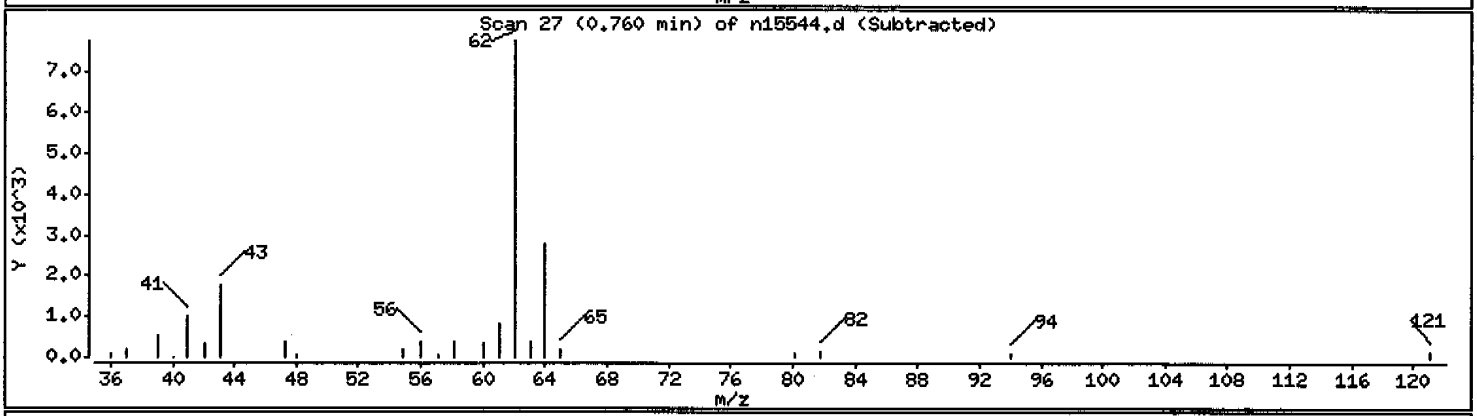
Column phase: DB624

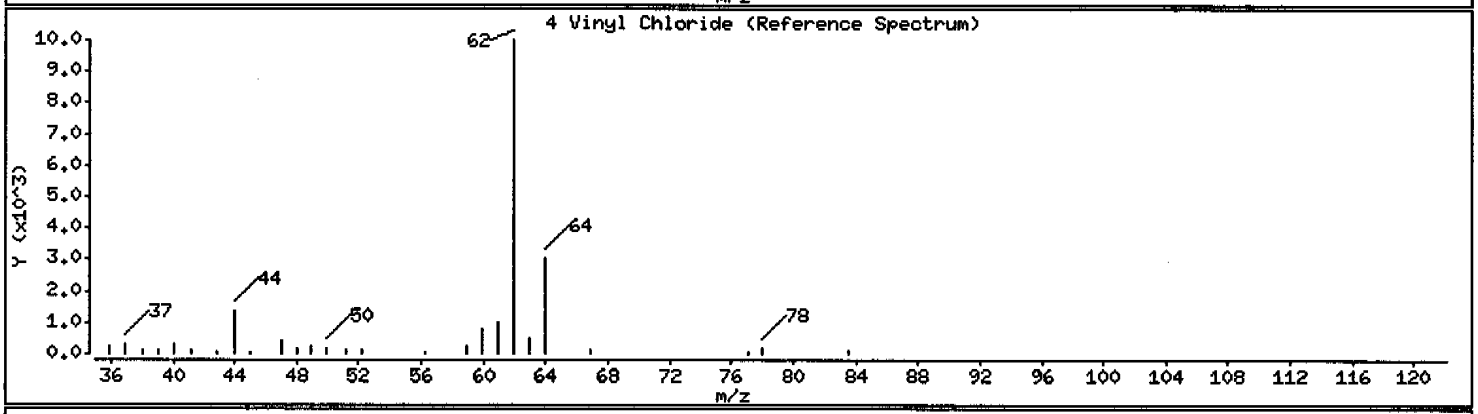
Column diameter: 0.18

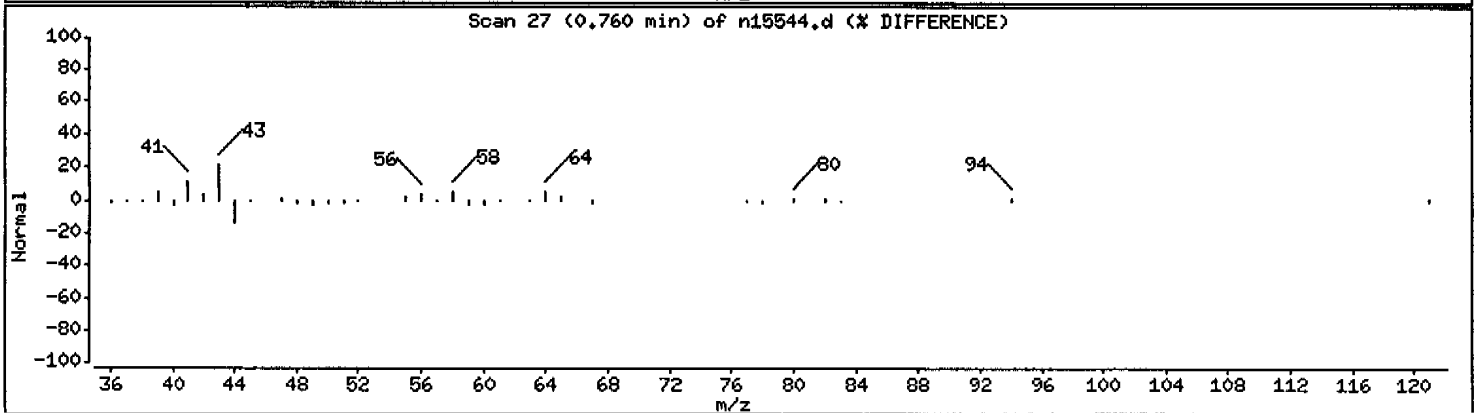
4 Vinyl Chloride

Concentration: 0.44 ug/L









Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15544.d

Date : 09-NOV-2005 05:43

Client ID: WW2C

Instrument: VOAMS11.i

Sample Info: 684311

Purge Volume: 5.0

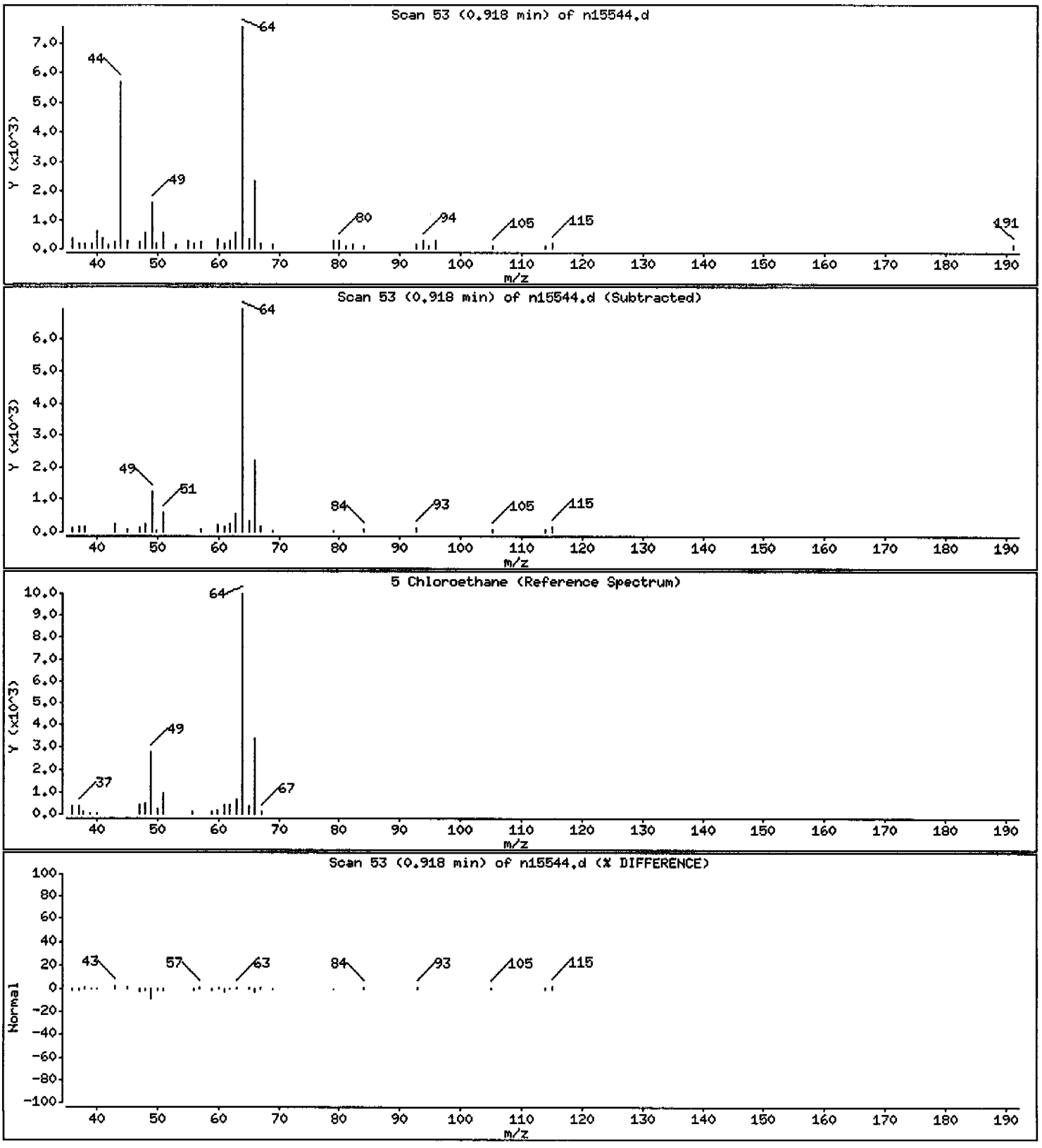
Operator: VOA11

Column phase: DB624

Column diameter: 0.18

5 Chloroethane

Concentration: 1.1 ug/L



Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15544.d

Date : 09-NOV-2005 05:43

Client ID: WW2C

Instrument: VOAMS11.i

Sample Info: 684311

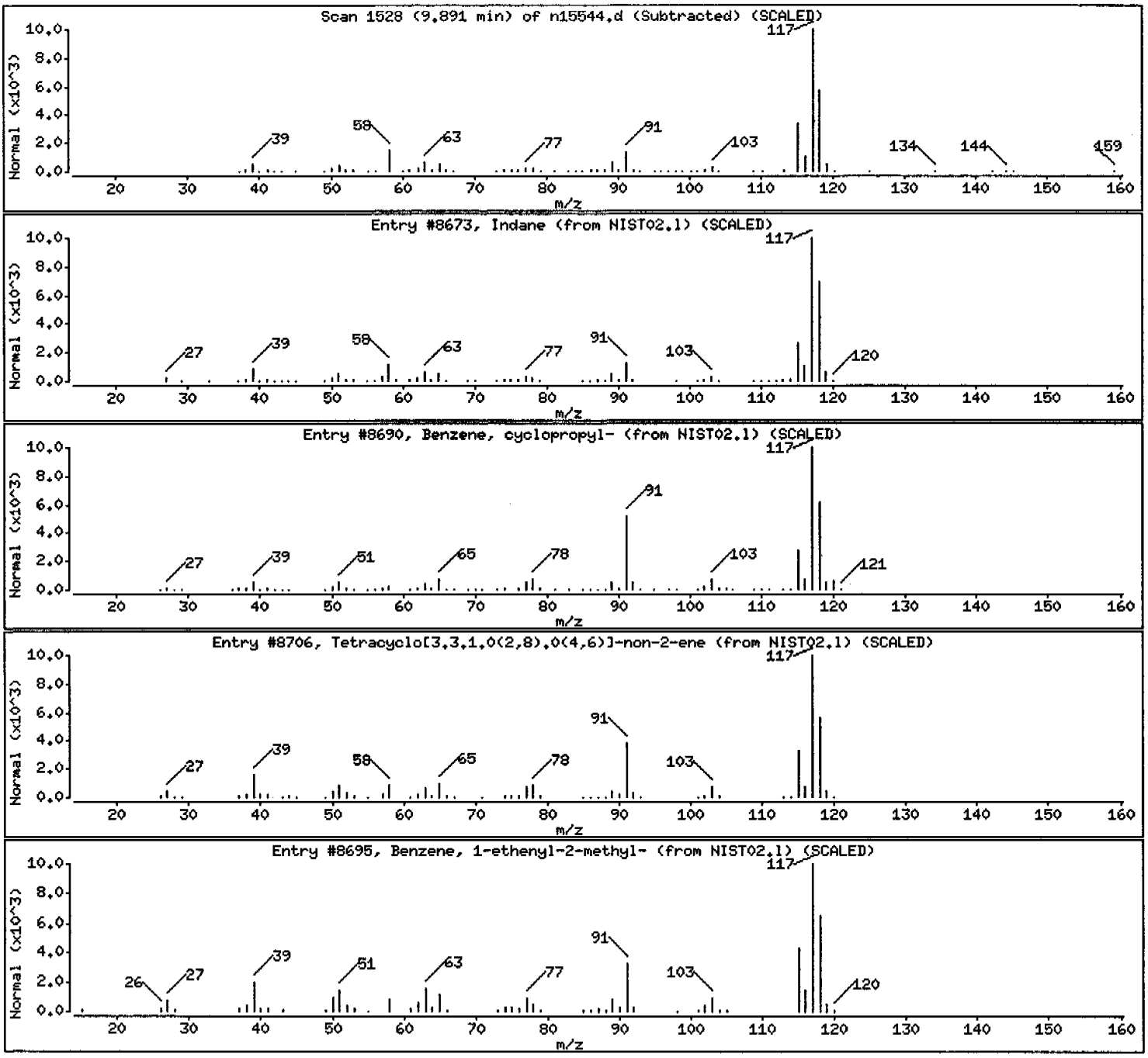
Purge Volume: 5.0

Operator: VOA11

Column phase: DB624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H10 Aromatic						
Indane	496-11-7	NIST02.1	8673	87	C9H10	118
Benzene, cyclopropyl-	873-49-4	NIST02.1	8690	81	C9H10	118
Tetracyclo[3.3.1.0(2,8).0(4,6)]-non-2-en	1000191-13-7	NIST02.1	8706	81	C9H10	118
Benzene, 1-ethenyl-2-methyl-	611-15-4	NIST02.1	8695	64	C9H10	118



Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15544.d

Date : 09-NOV-2005 05:43

Client ID: WW2C

Instrument: VOAMS11.i

Sample Info: 684311

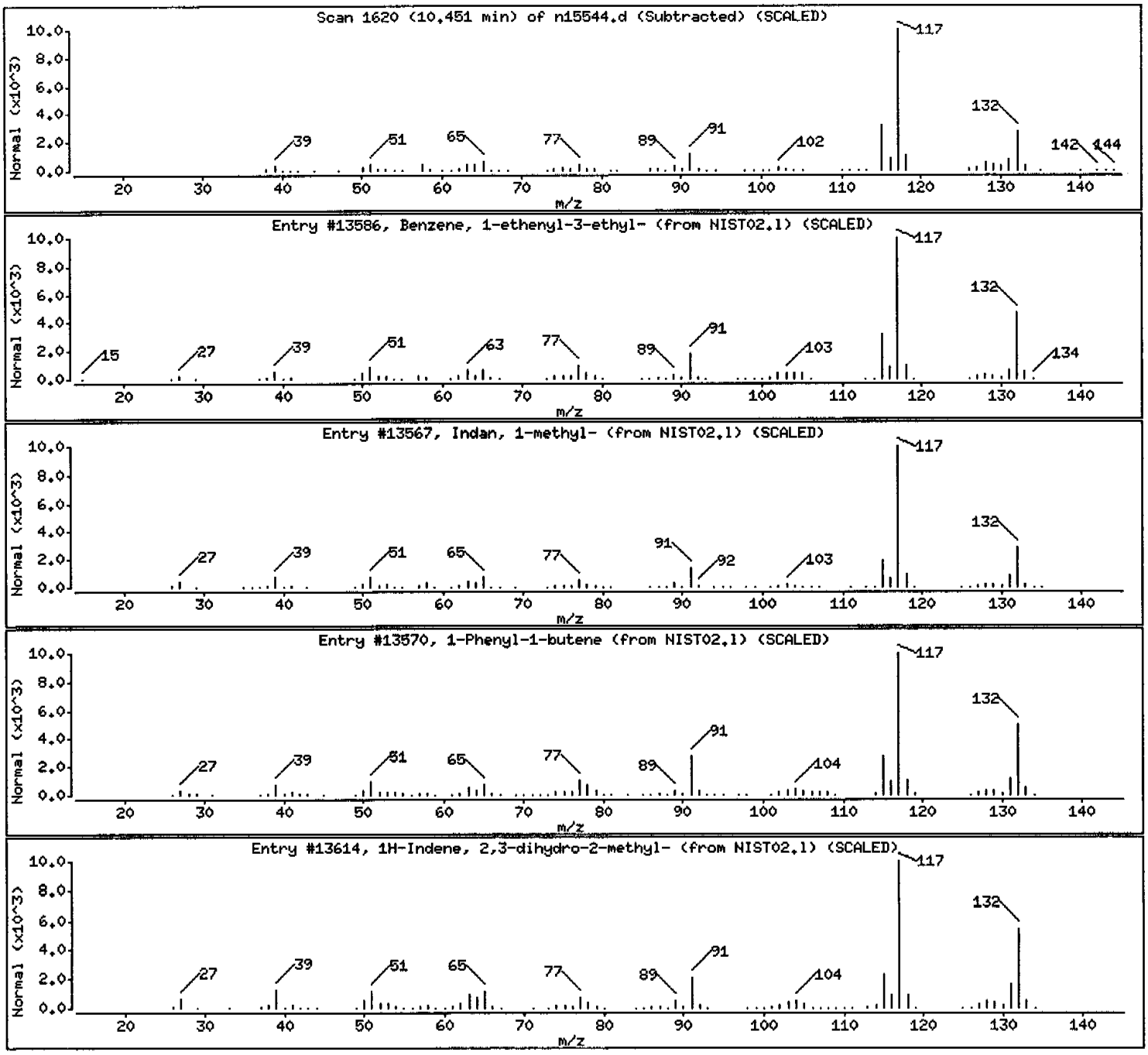
Purge Volume: 5.0

Operator: VOA11

Column phase: DB624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C10H12 Aromatic						
Benzene, 1-ethenyl-3-ethyl-	7525-62-4	NIST02.l	13586	90	C10H12	132
Indan, 1-methyl-	767-58-8	NIST02.l	13567	87	C10H12	132
1-Phenyl-1-butene	824-90-8	NIST02.l	13570	86	C10H12	132
1H-Indene, 2,3-dihydro-2-methyl-	824-63-5	NIST02.l	13614	86	C10H12	132



Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15544.d

Date : 09-NOV-2005 05:43

Client ID: WW2C

Instrument: VOAMS11.i

Sample Info: 684311

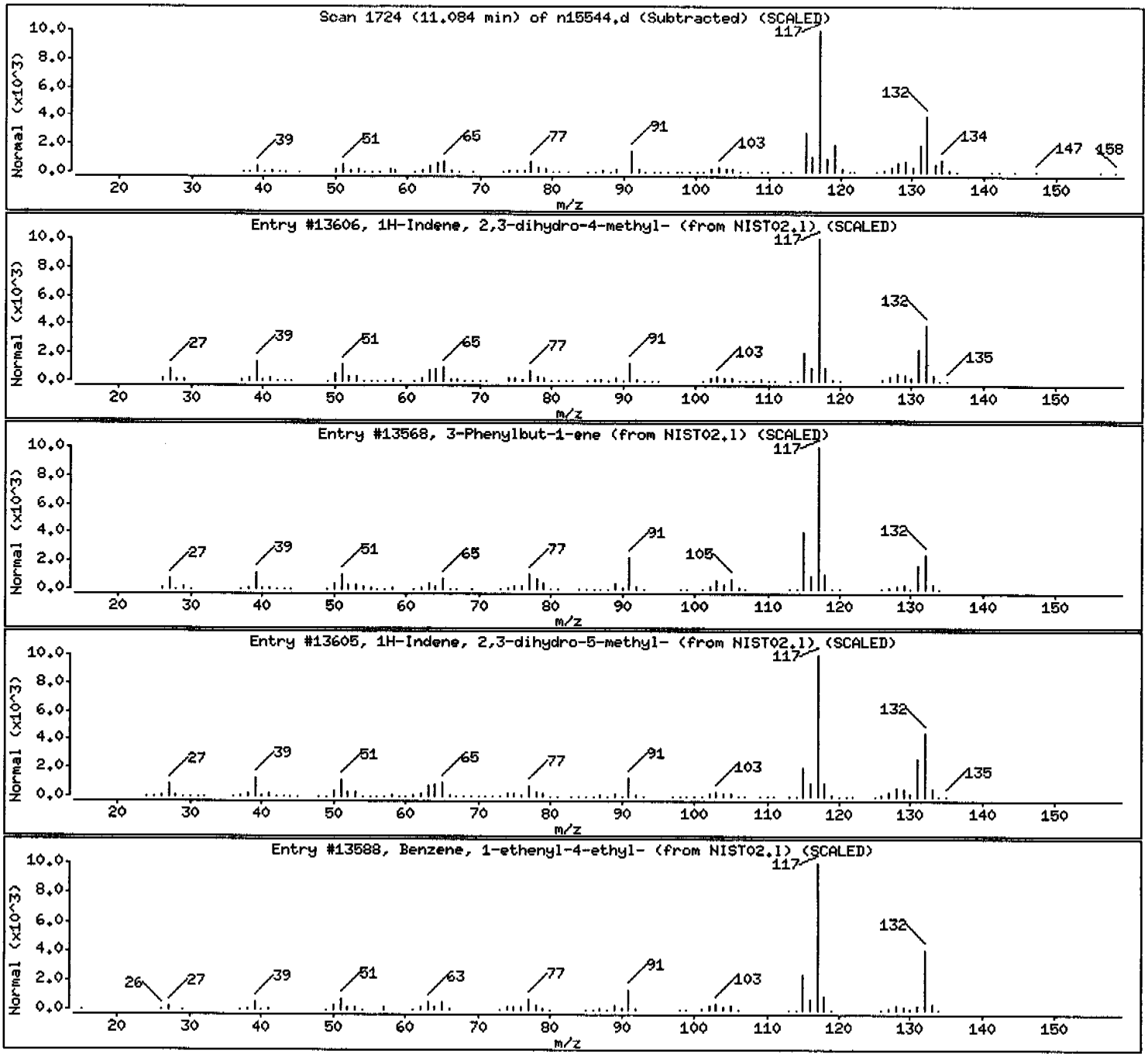
Purge Volume: 5.0

Operator: VOA11

Column phase: DB624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2,3-dihydro-methyl-1H-Indene isomer						
1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	NIST02.1	13606	87	C10H12	132
3-Phenylbut-1-ene	934-10-1	NIST02.1	13568	83	C10H12	132
1H-Indene, 2,3-dihydro-5-methyl-	874-35-1	NIST02.1	13605	81	C10H12	132
Benzene, 1-ethenyl-4-ethyl-	3454-07-7	NIST02.1	13588	81	C10H12	132



Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15544.d

Date : 09-NOV-2005 05:43

Client ID: WW2C

Instrument: VOAMS11.i

Sample Info: 684311

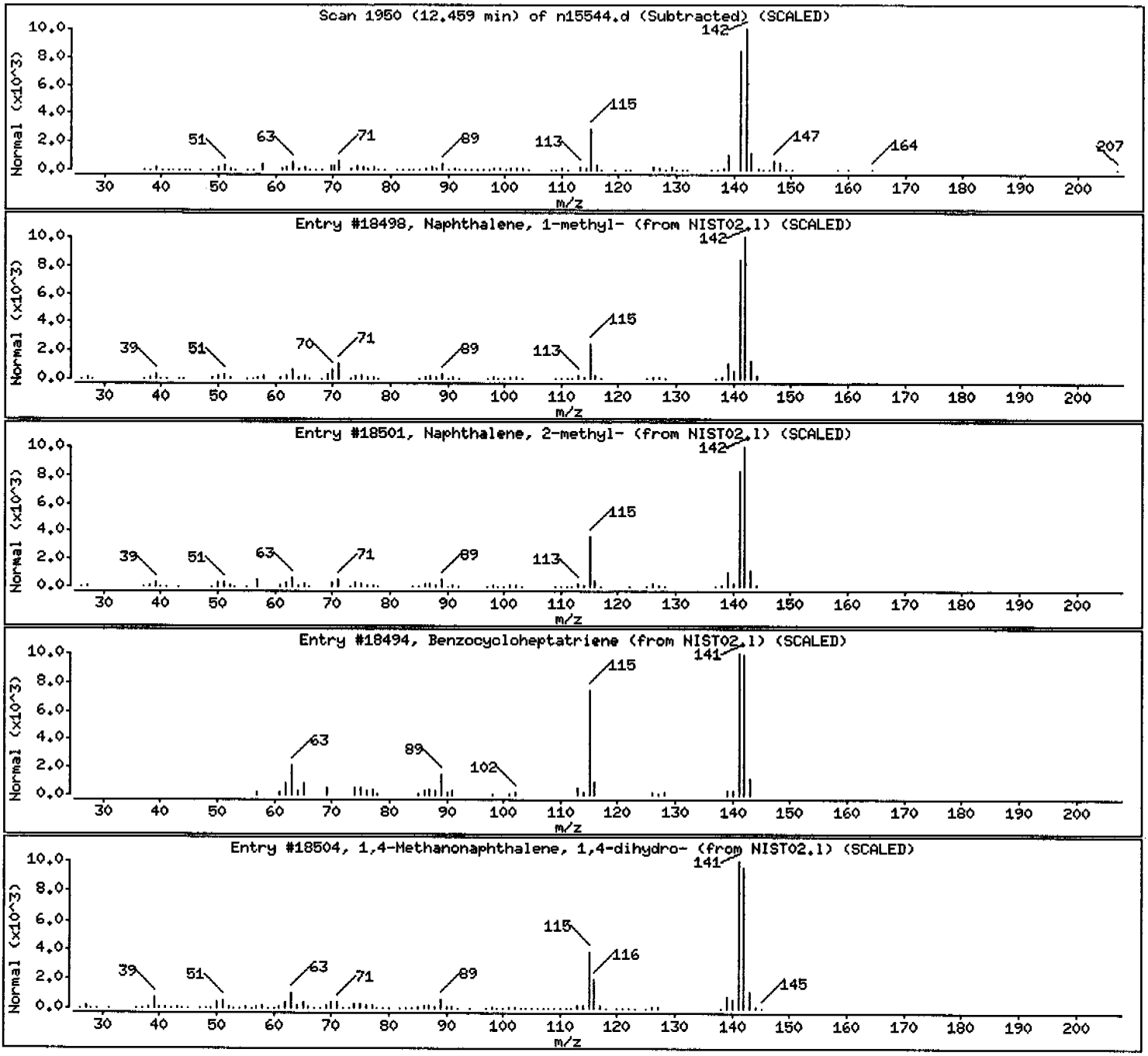
Purge Volume: 5.0

Operator: VOA11

Column phase: DB624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methylnaphthalene isomer						
Naphthalene, 1-methyl-	90-12-0	NIST02.l	18498	94	C11H10	142
Naphthalene, 2-methyl-	91-57-6	NIST02.l	18501	94	C11H10	142
Benzocycloheptatriene	264-09-5	NIST02.l	18494	90	C11H10	142
1,4-Methanonaphthalene, 1,4-dihydro-	4453-90-1	NIST02.l	18504	90	C11H10	142



Client ID: **WW2D**
Site: Phillipsburg

Lab Sample No: **684312**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/10/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15592.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	0.8	0.3
Chloroethane	3.1	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **WW2D**
Site: Phillipsburg

Lab Sample No: **684312**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/10/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15592.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	C9H10 Aromatic	9.84	4.2	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
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21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	4.2

Data File: /chem/VOAMS11.i/624/11-10-05/10nov05.b/n15592.d
Report Date: 11-Nov-2005 08:15

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VOLATILE ORGANIC COMPOUND ANALYSIS

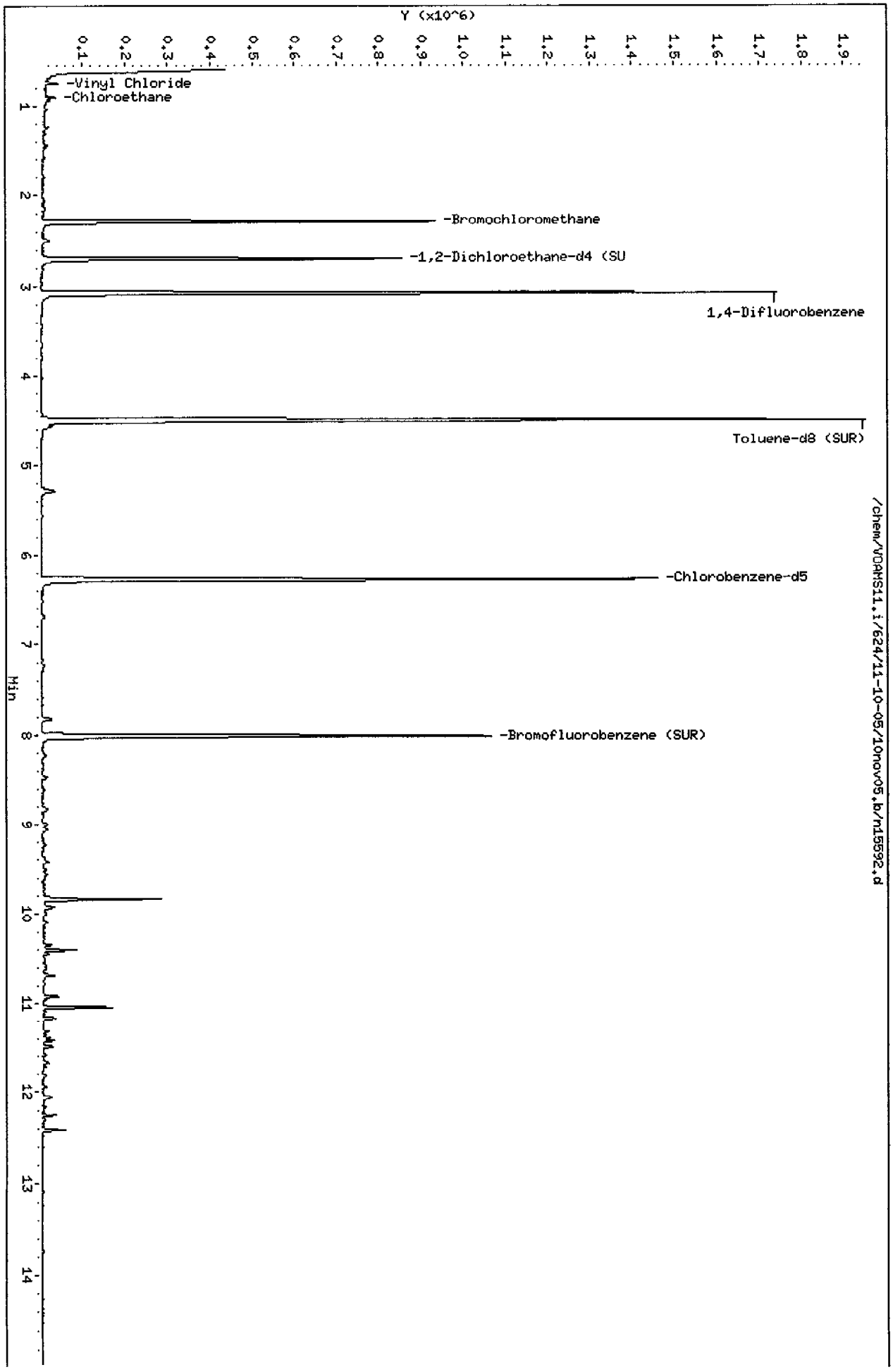
Data file : /chem/VOAMS11.i/624/11-10-05/10nov05.b/n15592.d
Lab Smp Id: 684312 Client Smp ID: WW2D
Inj Date : 10-NOV-2005 18:37
Operator : VOA11 Inst ID: VOAMS11.i
Smp Info : 684312
Misc Info : I456;0187;;LD
Comment :
Method : /chem/VOAMS11.i/624/11-10-05/10nov05.b/624_05.m
Meth Date : 11-Nov-2005 07:19 lily Quant Type: ISTD
Cal Date : 10-NOV-2005 15:34 Cal File: n15585.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
4 Vinyl Chloride	62	0.748	0.742	(0.326)	12519	0.81799	0.82
5 Chloroethane	64	0.906	0.894	(0.395)	10063	3.14553	3.1
* 2 Bromochloromethane	128	2.293	2.287	(1.000)	200783	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	2.700	2.700	(0.877)	67816	30.5541	30
* 19 1,4-Difluorobenzene	114	3.078	3.072	(1.000)	1291317	30.0000	
$ 37 Toluene-d8 (SUR)	98	4.495	4.495	(0.717)	1330274	29.7748	30
* 32 Chlorobenzene-d5	117	6.265	6.265	(1.000)	998133	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	8.011	8.011	(1.279)	364359	29.4584	29


Y (x10^6)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
-Vinyl Chloride
-Chloroethane
-Bromochloromethane
-1,2-Dichloroethane-d4 (SU
1,4-Difluorobenzene
Toluene-d8 (SUR)
-Chlorobenzene-d5
-Bromofluorobenzene (SUR)
Min
1
2
3
4
5
6
7
8
9
10
11
12
13
14
Data File: /chem/VOAMS11.i/624/11-10-05/10nov05.b/m15592.d
Date : 10-NOV-2005 18:37
Client ID: WW2D
Sample Info: 684312
Purge Volume: 5.0
Column phase: DB624
Instrument: VOAMS11.i
Operator: VOA11
Column diameter: 0.18
/chem/VOAMS11.i/624/11-10-05/10nov05.b/m15592.d

Data File: /chem/VOAMS11.i/624/11-10-05/10nov05.b/n15592.d

Date : 10-NOV-2005 18:37

Client ID: WW2D

Instrument: VOAMS11.i

Sample Info: 684312

Purge Volume: 5.0

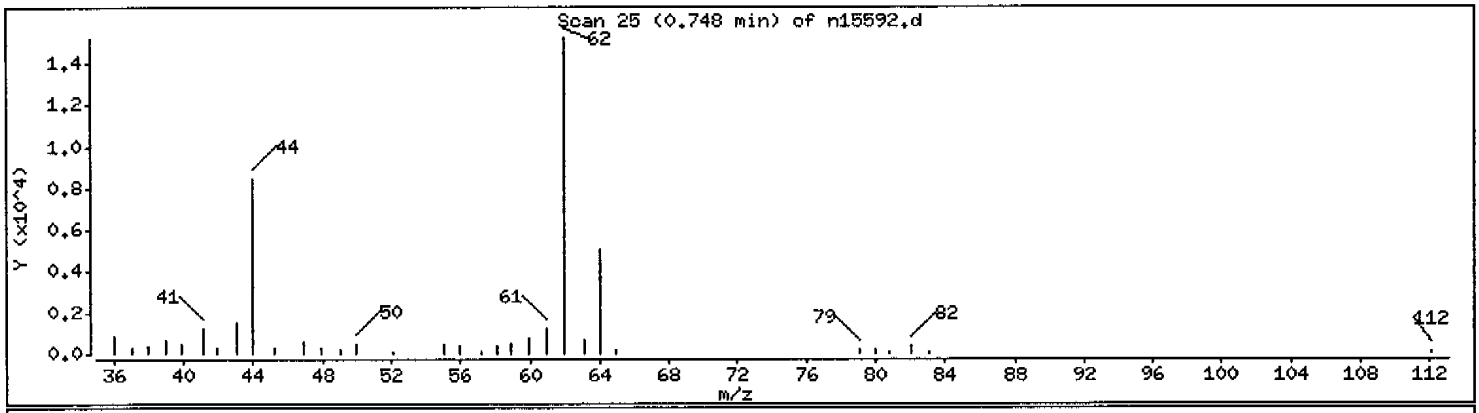
Operator: VOA11

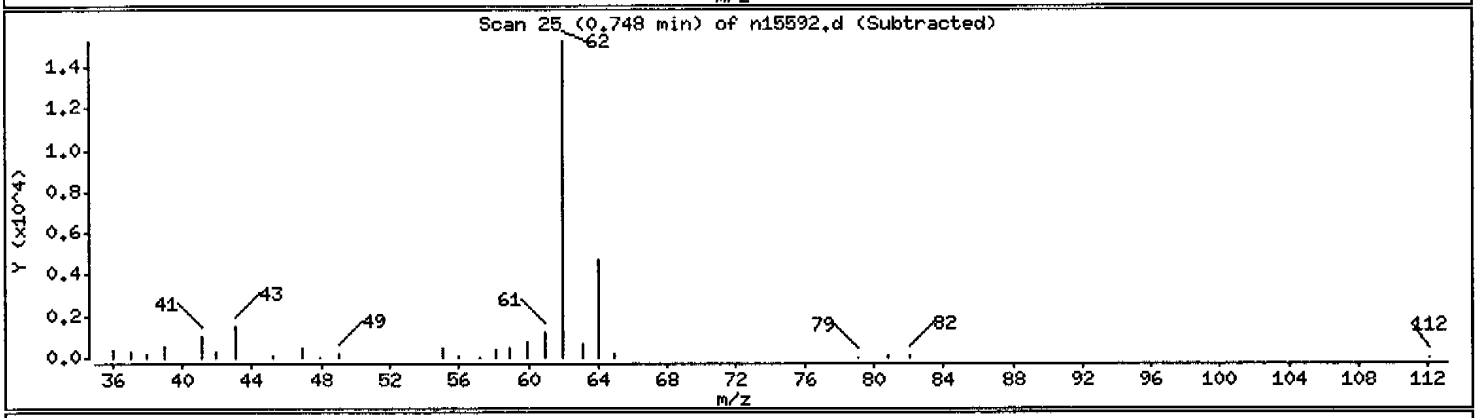
Column phase: DB624

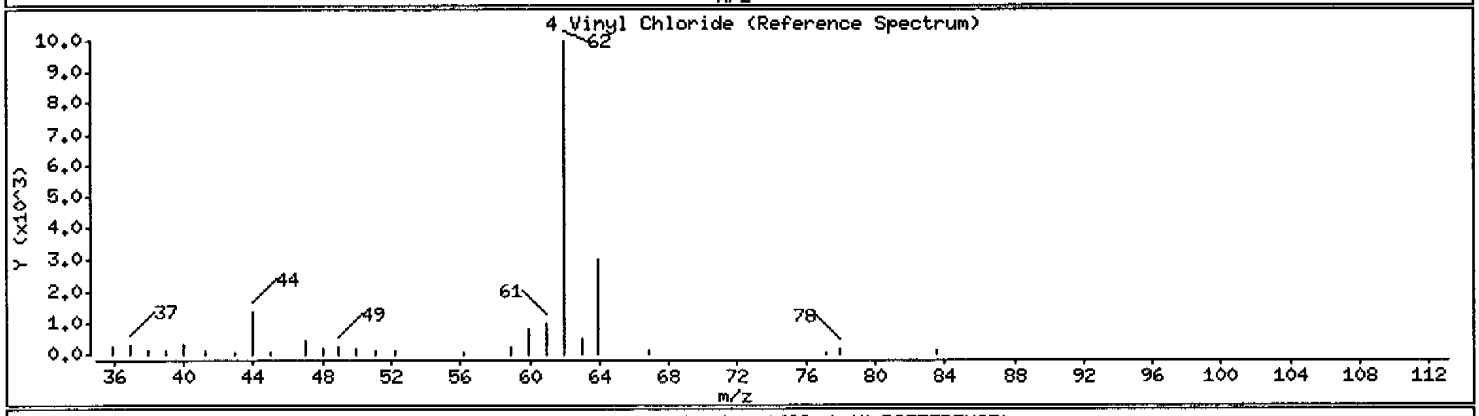
Column diameter: 0.18

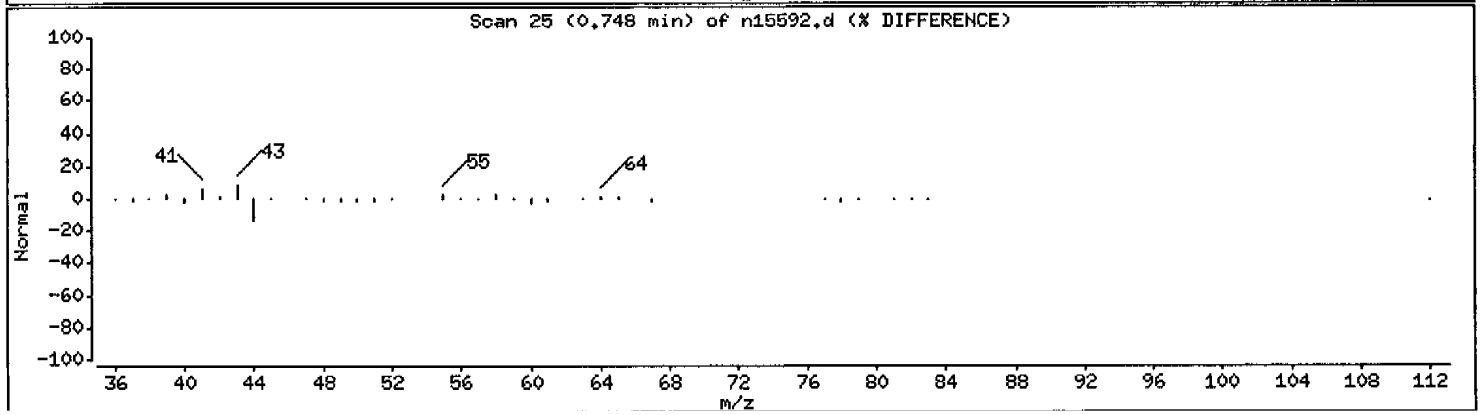
4 Vinyl Chloride

Concentration: 0.82 ug/L









Data File: /chem/VOAMS11.i/624/11-10-05/10nov05.b/n15592.d

Date : 10-NOV-2005 18:37

Client ID: WW2D

Instrument: VOAMS11.i

Sample Info: 684312

Purge Volume: 5.0

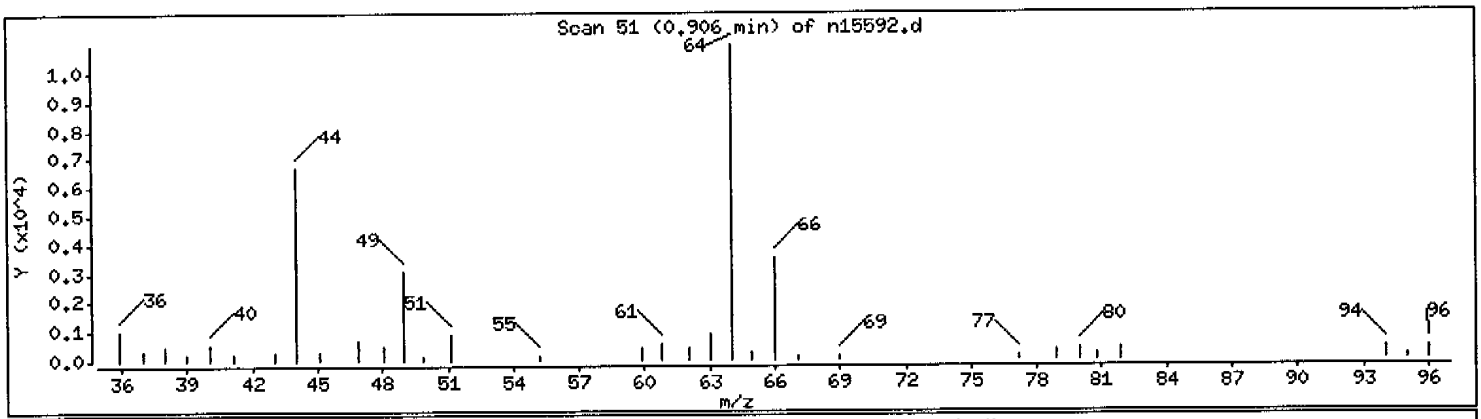
Operator: VOA11

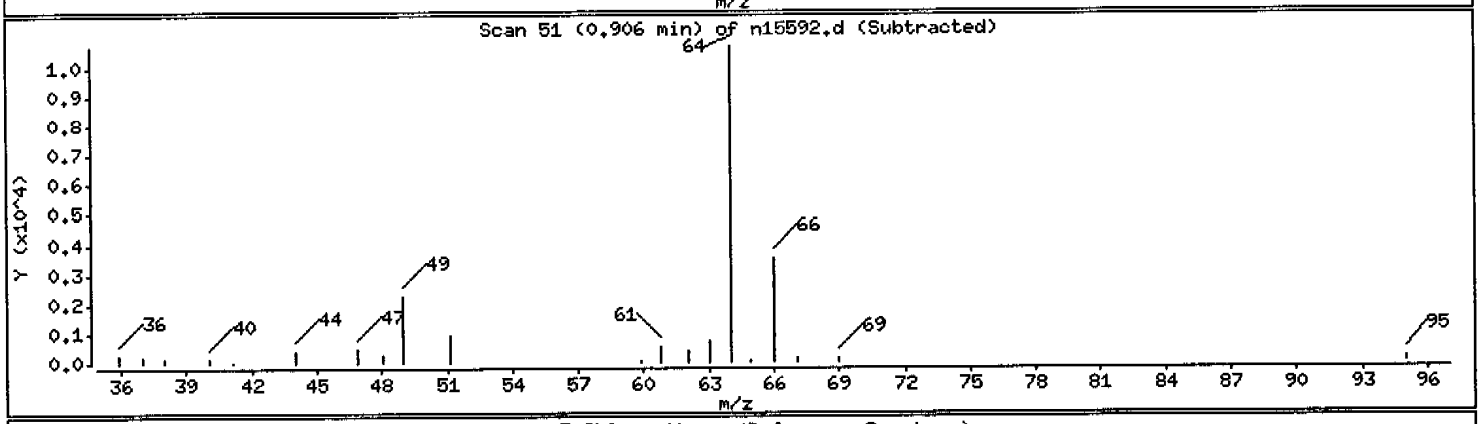
Column phase: DB624

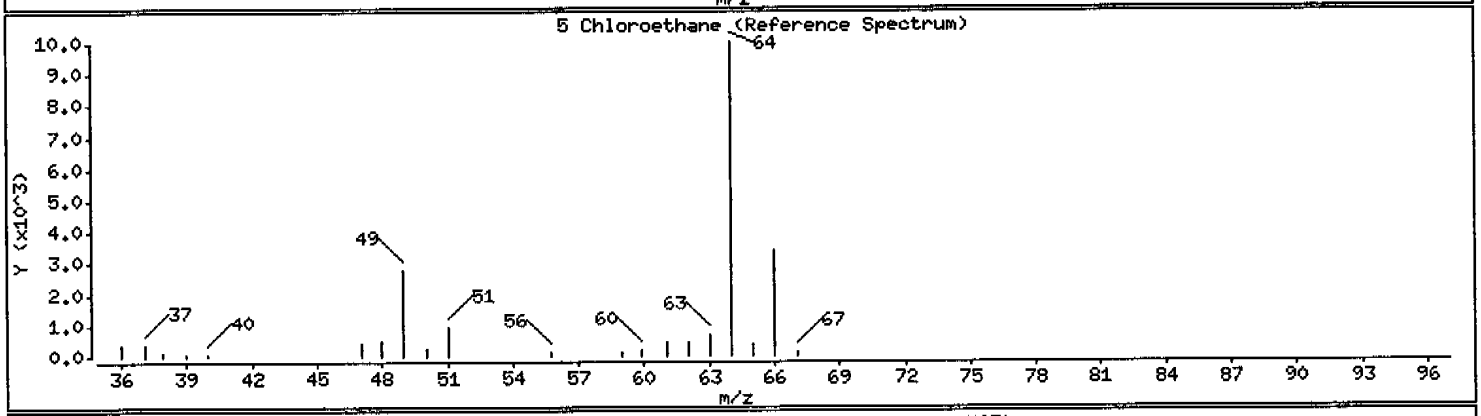
Column diameter: 0.18

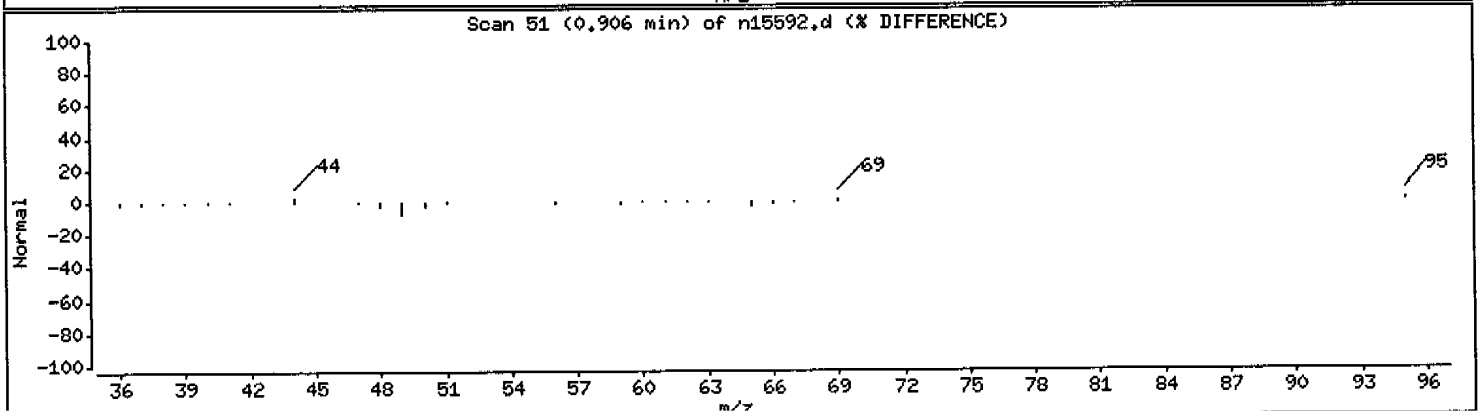
5 Chloroethane

Concentration: 3.1 ug/L









Data File: /chem/VOAMS11.i/624/11-10-05/10nov05.b/n15592.d

Date : 10-NOV-2005 18:37

Client ID: WW2D

Instrument: VOAMS11.i

Sample Info: 684312

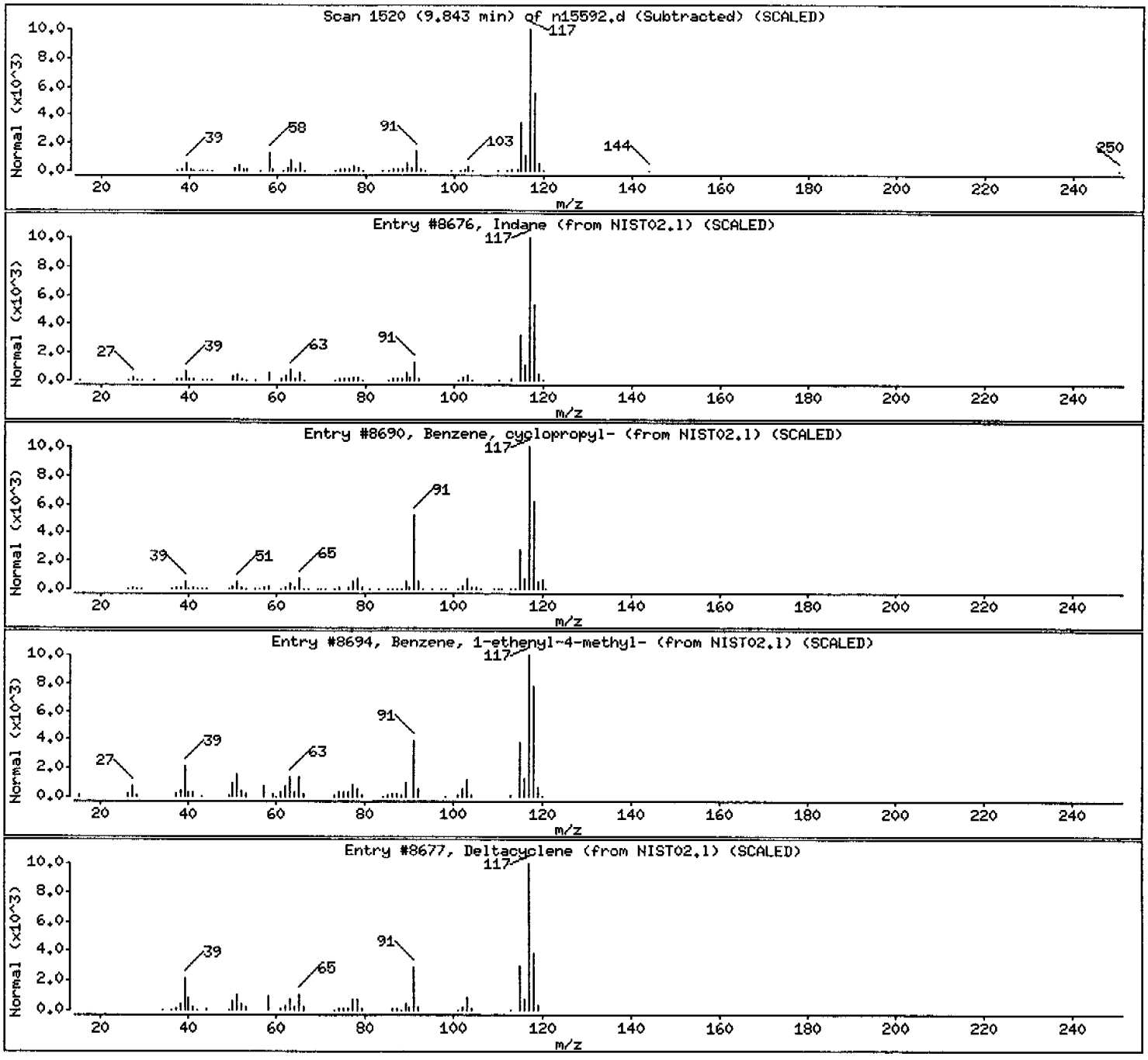
Purge Volume: 5.0

Operator: VOA11

Column phase: DB624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
C9H10 Aromatic						
Indane	496-11-7	NIST02.l	8676	93	C9H10	118
Benzene, cyclopropyl-	873-49-4	NIST02.l	8690	81	C9H10	118
Benzene, 1-ethenyl-4-methyl-	622-97-9	NIST02.l	8694	74	C9H10	118
Deltacyclene	7785-10-6	NIST02.l	8677	72	C9H10	118



Client ID: **WW2E**
Site: Phillipsburg

Lab Sample No: **684313**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15546.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	0.9	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **WW2E**
Site: Phillipsburg

Lab Sample No: **684313**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15546.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15546.d
Report Date: 09-Nov-2005 09:17

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15546.d
Lab Smp Id: 684313 Client Smp ID: WW2E
Inj Date : 09-NOV-2005 06:37
Operator : VOA11 Inst ID: VOAMS11.i
Smp Info : 684313
Misc Info : I456;0187;;LD
Comment :
Method : /chem/VOAMS11.i/624/11-07-05/08nov05.b/624_05.m
Meth Date : 09-Nov-2005 07:50 lily Quant Type: ISTD
Cal Date : 07-NOV-2005 13:40 Cal File: n15479.d
Als bottle: 41
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

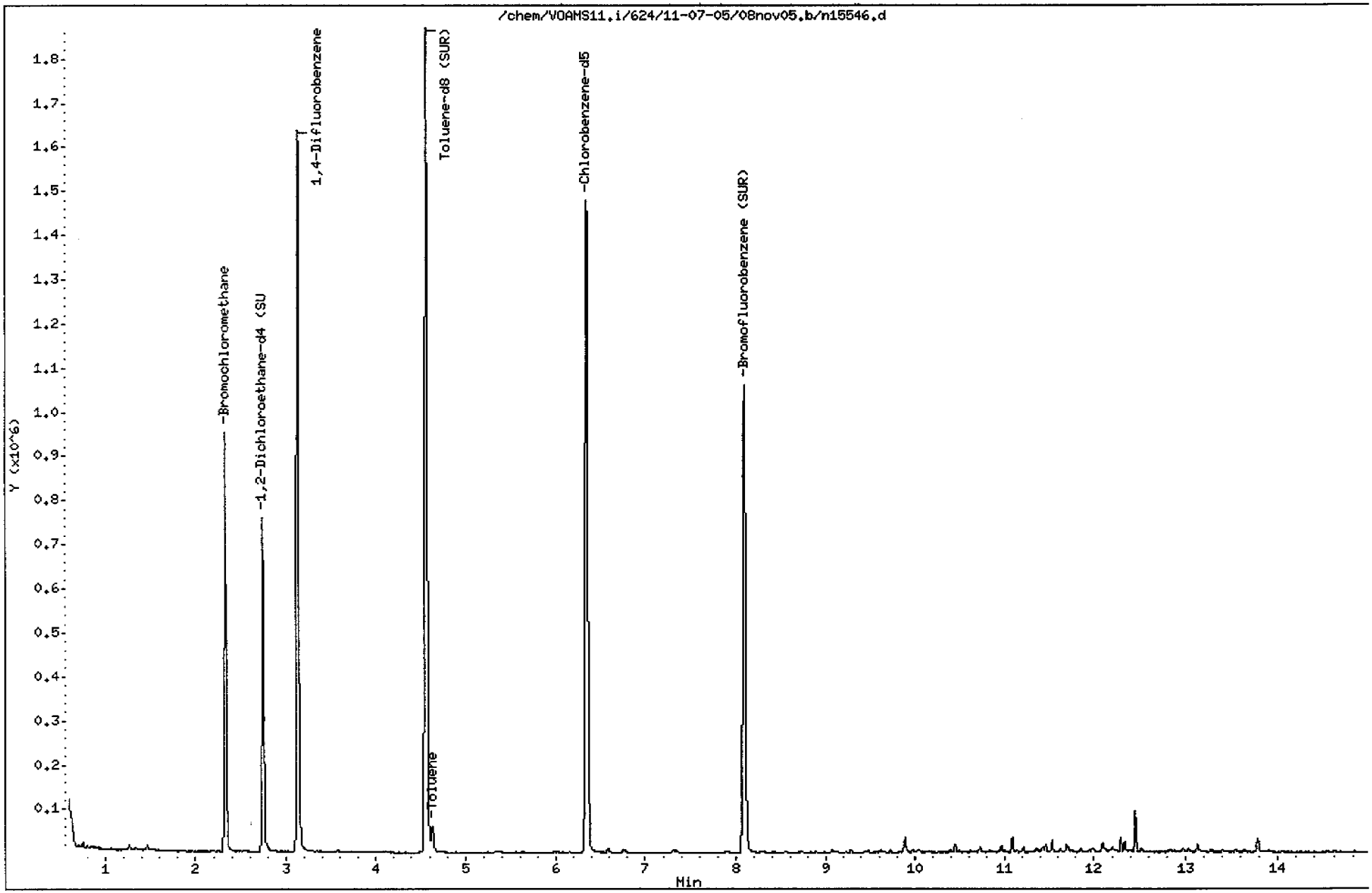
Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 2 Bromochloromethane	128	2.329	2.330	(1.000)	206396	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	2.749	2.749	(0.879)	63336	31.0139	31
* 19 1,4-Difluorobenzene	114	3.126	3.127	(1.000)	1279407	30.0000	
$ 37 Toluene-d8 (SUR)	98	4.562	4.562	(0.720)	1322887	29.8140	30
38 Toluene	91	4.635	4.635	(0.731)	43260	0.91287	0.91
* 32 Chlorobenzene-d5	117	6.338	6.339	(1.000)	1021373	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	8.091	8.091	(1.276)	371421	29.6788	30

Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15546.d
Date : 09-NOV-2005 06:37
Client ID: WW2E
Sample Info: 684313
Purge Volume: 5.0
Column phase: DB624

Instrument: VOAMS11.i
Operator: VOA11
Column diameter: 0.18



Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15546.d

Date : 09-NOV-2005 06:37

Client ID: WW2E

Instrument: VOAMS11.i

Sample Info: 684313

Purge Volume: 5.0

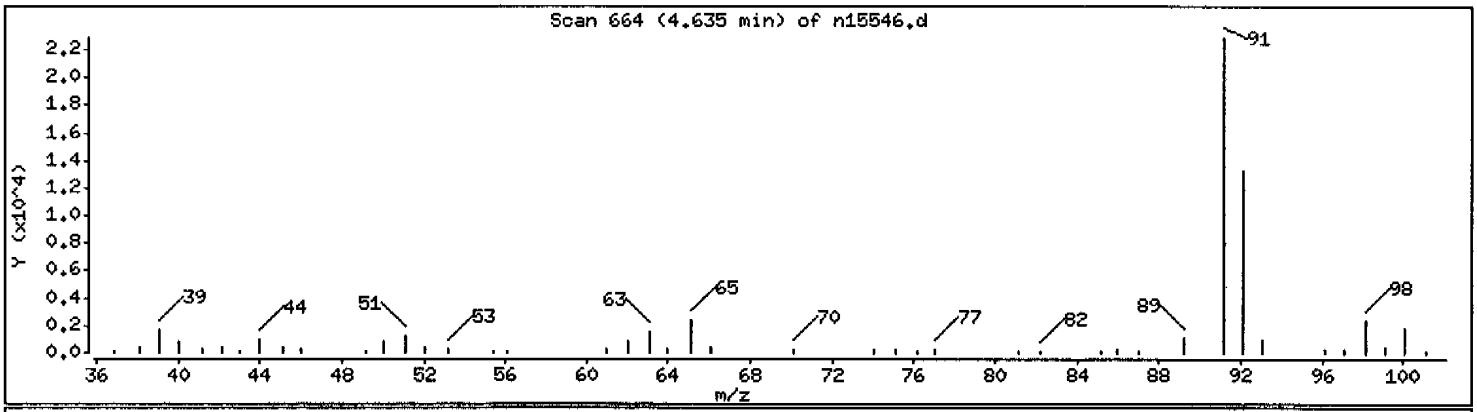
Operator: VOA11

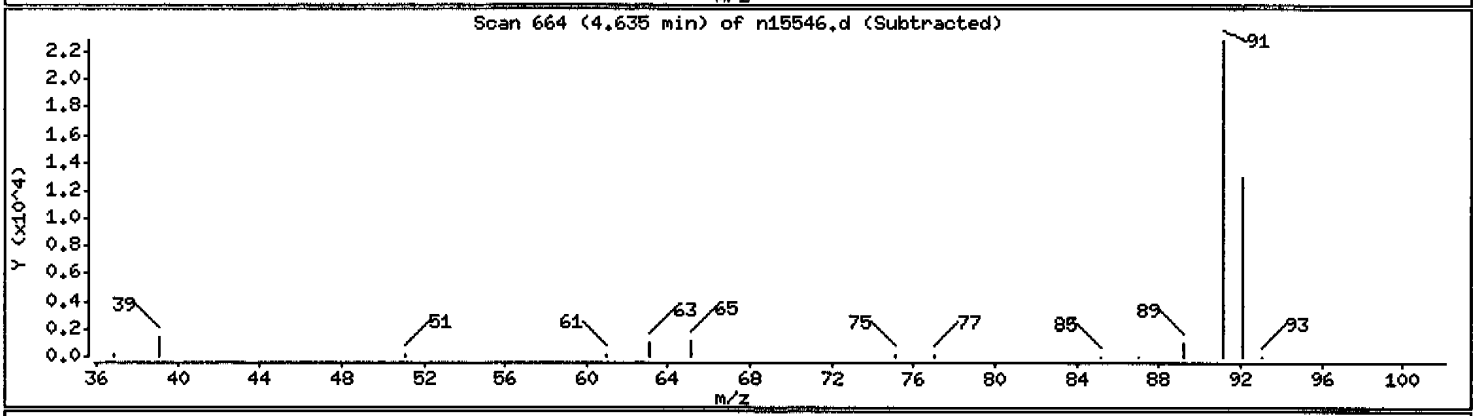
Column phase: DB624

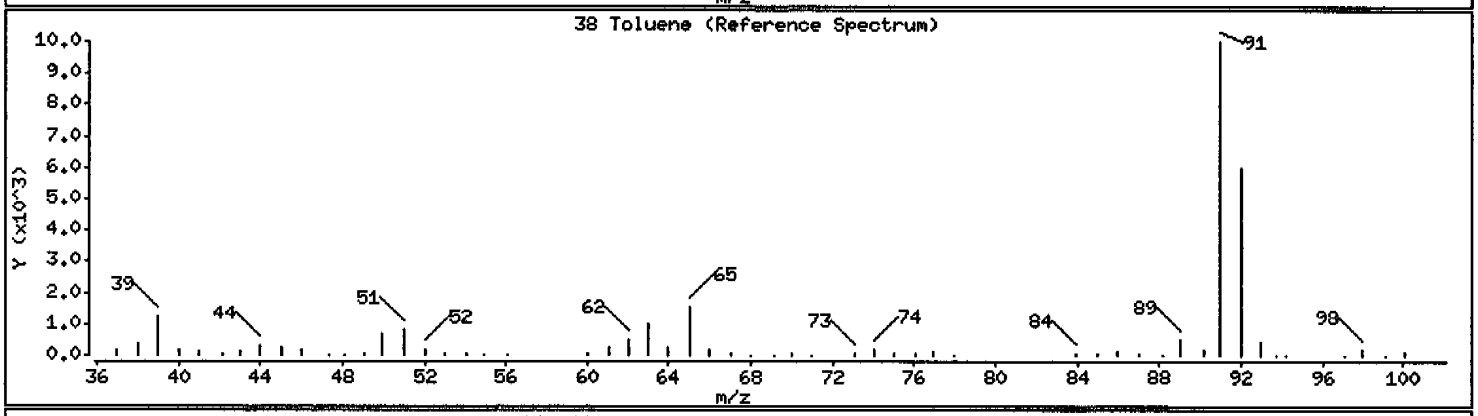
Column diameter: 0.18

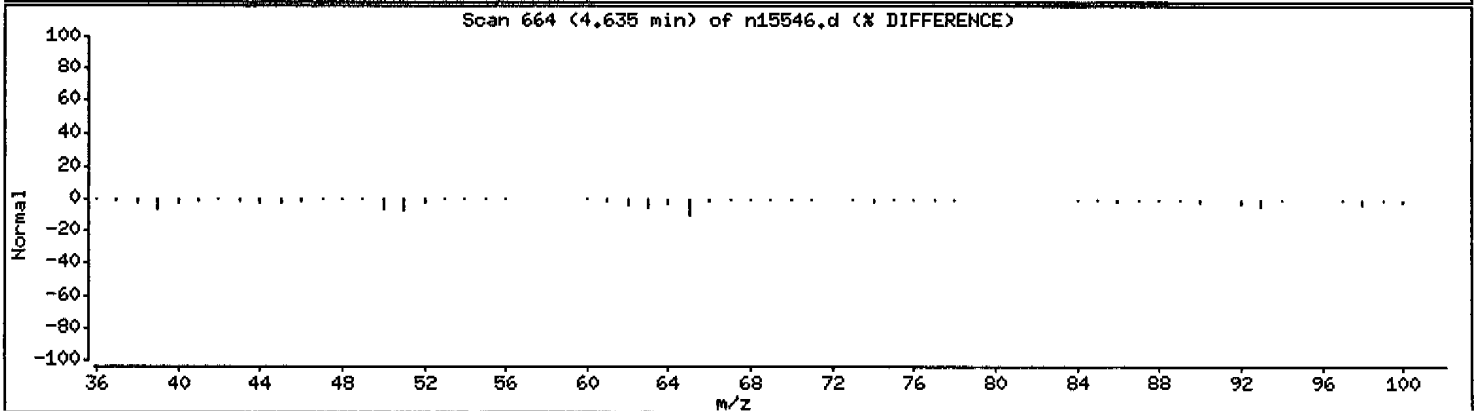
38 Toluene

Concentration: 0.91 ug/L









Client ID: **F110405**
Site: Phillipsburg

Lab Sample No: **684314**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15547.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **F110405**
Site: Phillipsburg

Lab Sample No: **684314**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15547.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15547.d
Report Date: 09-Nov-2005 09:17

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15547.d
Lab Smp Id: 684314 Client Smp ID: F110405
Inj Date : 09-NOV-2005 07:04
Operator : VOA11 Inst ID: VOAMS11.i
Smp Info : 684314
Misc Info : I456;0187;;LD
Comment :
Method : /chem/VOAMS11.i/624/11-07-05/08nov05.b/624_05.m
Meth Date : 09-Nov-2005 07:50 lily Quant Type: ISTD
Cal Date : 07-NOV-2005 13:40 Cal File: n15479.d
Als bottle: 42
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

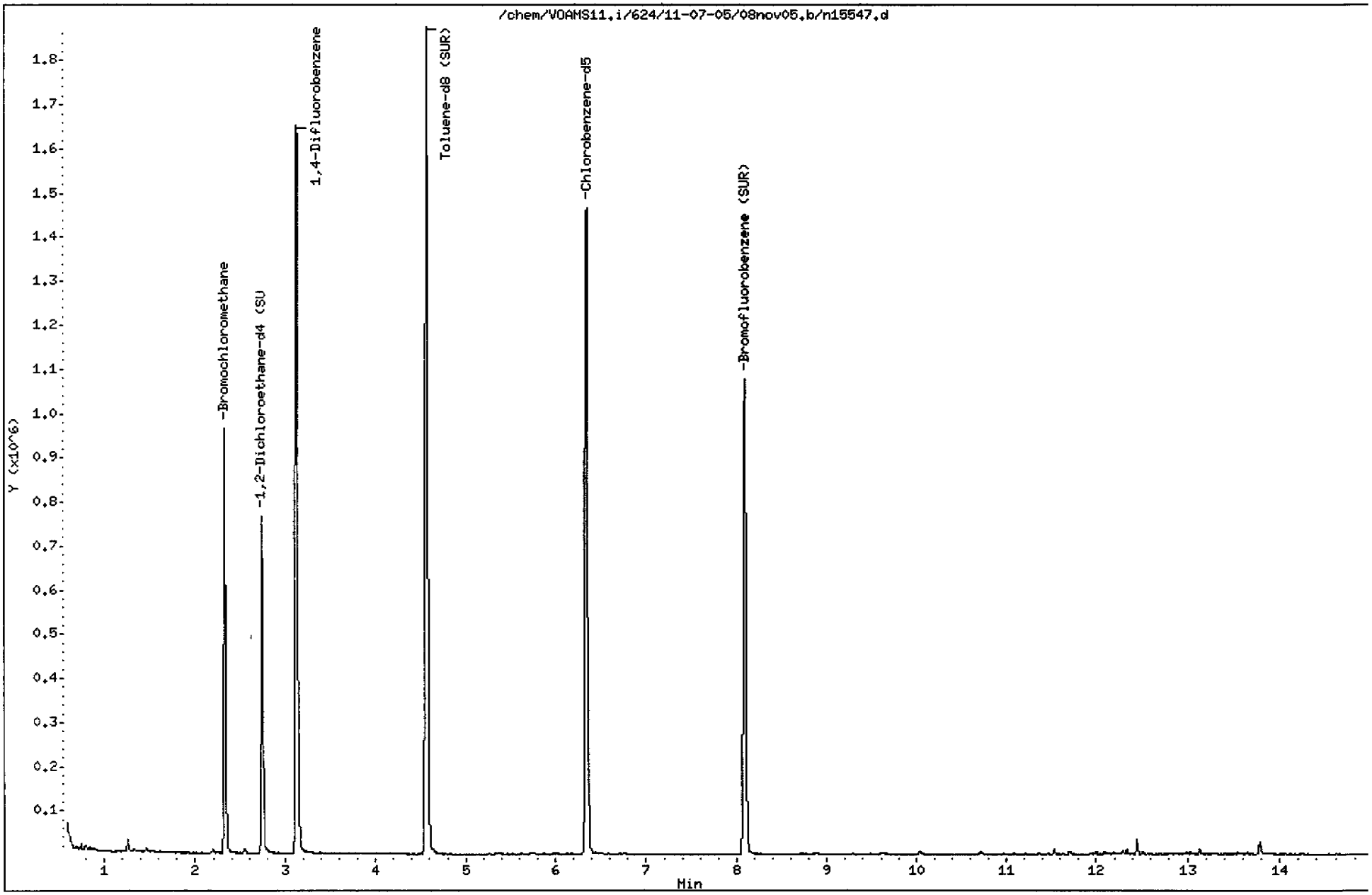
Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 2 Bromochloromethane	128	2.329	2.330	(1.000)	209788	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	2.749	2.749	(0.878)	61992	29.9699	30
* 19 1,4-Difluorobenzene	114	3.133	3.127	(1.000)	1295879	30.0000	
$ 37 Toluene-d8 (SUR)	98	4.562	4.562	(0.719)	1323130	29.6866	30
* 32 Chlorobenzene-d5	117	6.345	6.339	(1.000)	1025946	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	8.091	8.091	(1.275)	370308	29.4580	29

Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15547.d
Date : 09-NOV-2005 07:04
Client ID: F110405
Sample Info: 684314
Purge Volume: 5.0
Column phase: DB624

Instrument: VOAMS11.i
Operator: VOA11
Column diameter: 0.18



Client ID: **T110405**
Site: Phillipsburg

Lab Sample No: **684315**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15548.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5
Xylene (Total)	ND	0.4

Client ID: **T110405**
Site: Phillipsburg

Lab Sample No: **684315**
Lab Job No: I456

Date Sampled: 11/04/05
Date Received: 11/04/05
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15548.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15548.d
Report Date: 09-Nov-2005 09:17

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15548.d
Lab Smp Id: 684315 Client Smp ID: T110405
Inj Date : 09-NOV-2005 07:31
Operator : VOA11 Inst ID: VOAMS11.i
Smp Info : 684315
Misc Info : I456;0187;;LD
Comment :
Method : /chem/VOAMS11.i/624/11-07-05/08nov05.b/624_05.m
Meth Date : 09-Nov-2005 07:50 lily Quant Type: ISTD
Cal Date : 07-NOV-2005 13:40 Cal File: n15479.d
Als bottle: 43
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PPVOAv.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

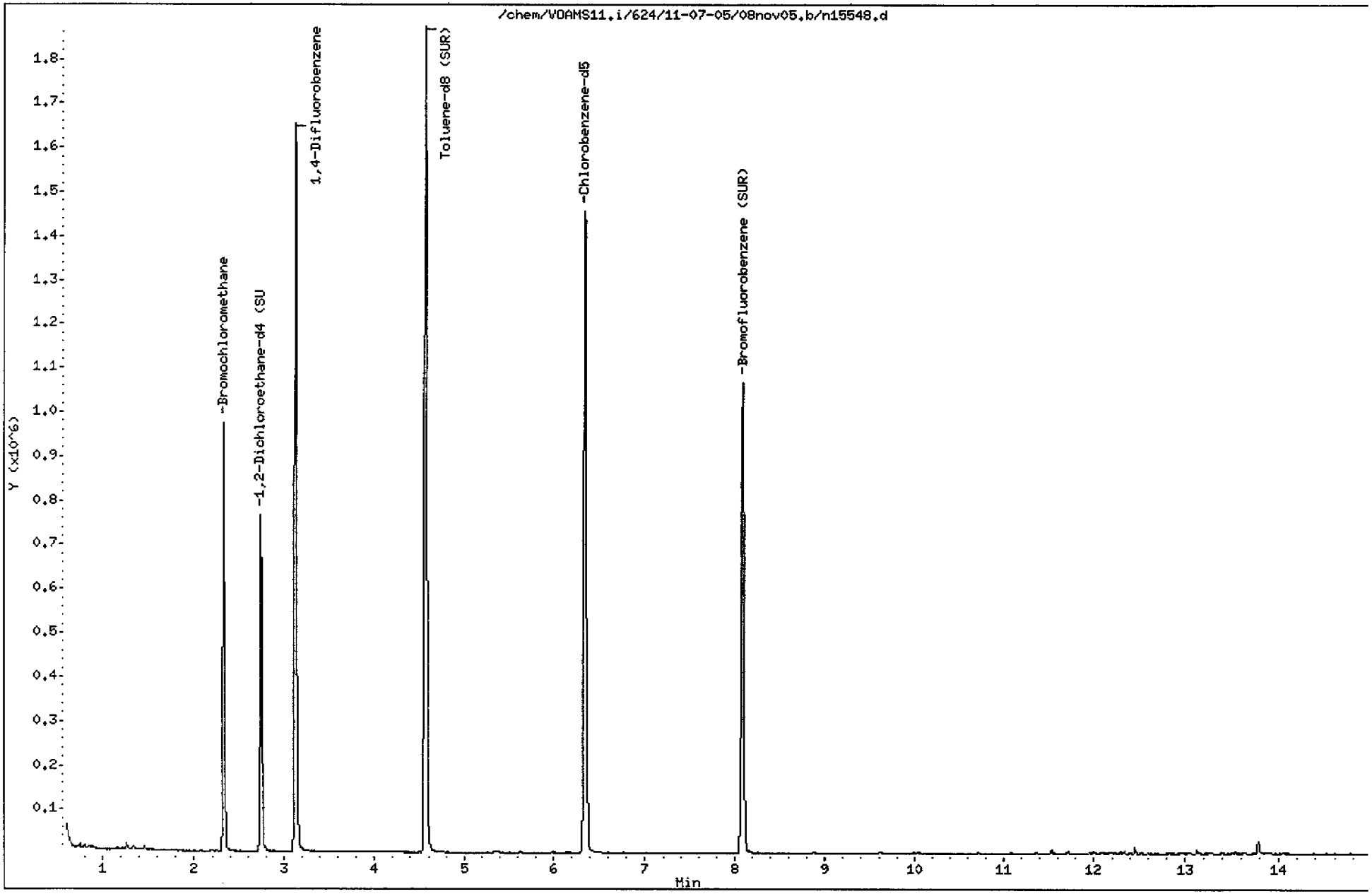
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 2 Bromochloromethane	128	2.329	2.330	(1.000)	207692	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	2.749	2.749	(0.879)	62936	30.6982	31
* 19 1,4-Difluorobenzene	114	3.126	3.127	(1.000)	1284401	30.0000	
$ 37 Toluene-d8 (SUR)	98	4.562	4.562	(0.720)	1307858	29.5480	30
* 32 Chlorobenzene-d5	117	6.338	6.339	(1.000)	1018861	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	8.091	8.091	(1.276)	362152	29.0095	29

Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15548.d
Date : 09-NOV-2005 07:31
Client ID: T110405
Sample Info: 684315
Purge Volume: 5.0
Column phase: DB624

Instrument: VOAMS11.i

Operator: VOA11
Column diameter: 0.18



STL Edison

I456

Tuning Results Summary

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: N15472

BFB Injection Date: 11/07/05

Instrument ID: VOAMS11

BFB Injection Time: 0950

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.2
75	30.0 - 60.0% of mass 95	45.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	67.9
175	5.0 - 9.0% of mass 174	5.1 (7.5)1
176	95.0 - 101.0% of mass 174	65.7 (96.8)1
177	5.0 - 9.0% of mass 176	4.2 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	NSTD005	NSTD005	N15475	11/07/05	1152
02	NSTD010	NSTD010	N15476	11/07/05	1219
03	NSTD020	NSTD020	N15477	11/07/05	1246
04	NSTD200	NSTD200	N15479	11/07/05	1340
05	NSTD050	NSTD050	N15481	11/07/05	1528
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS11.i/624/11-07-05/07nov05.b/n15472.d

Date : 07-NOV-2005 09:50

Client ID:

Instrument: VOAMS11.i

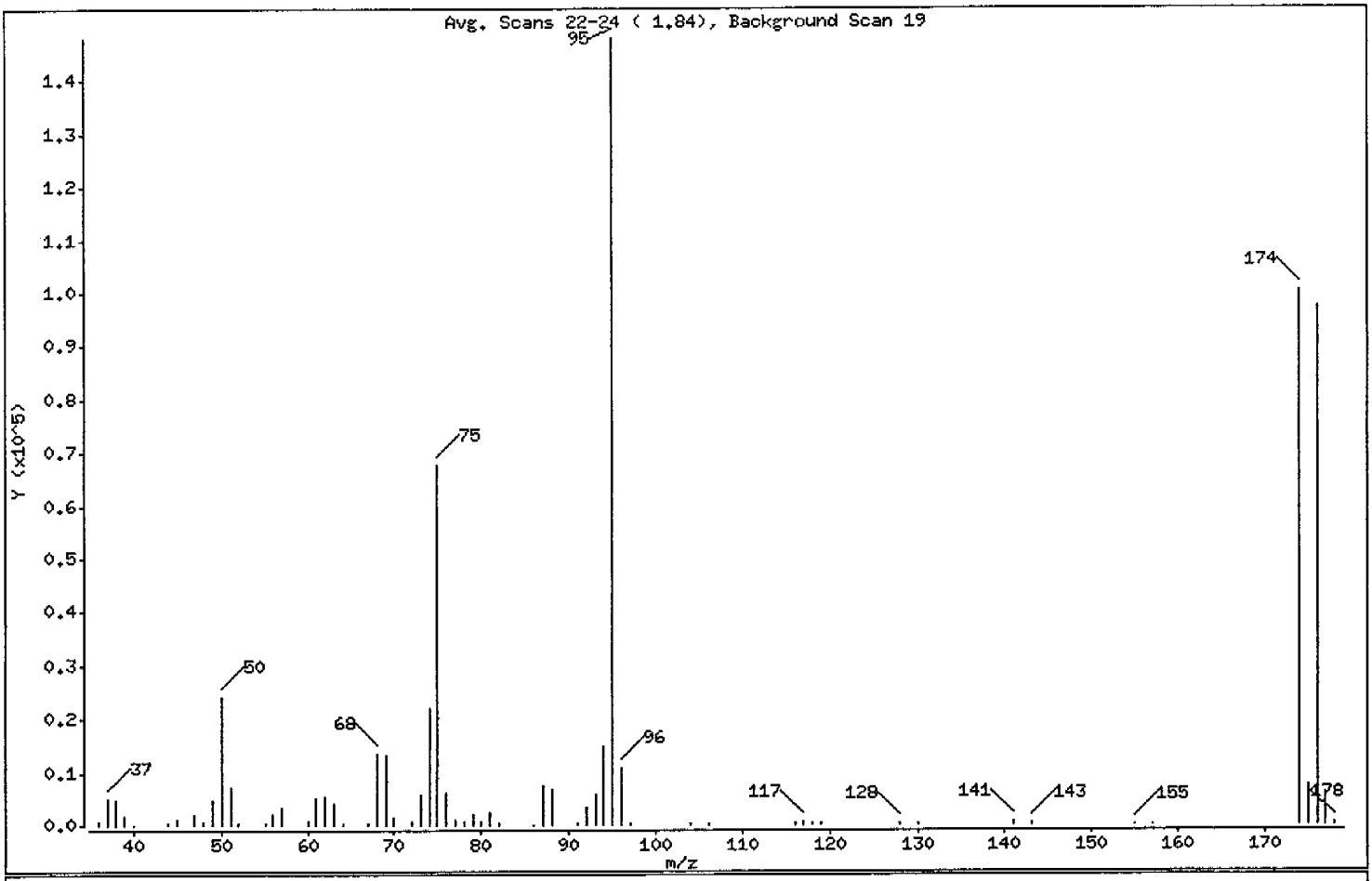
Sample Info: NBFB311

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.22
75	30.00 - 60.00% of mass 95	45.70
96	5.00 - 9.00% of mass 95	7.26
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	67.89
175	5.00 - 9.00% of mass 174	5.07 (7.47)
176	95.00 - 101.00% of mass 174	65.72 (96.80)
177	5.00 - 9.00% of mass 176	4.21 (6.40)

Data File: /chem/VOAMS11.i/624/11-07-05/07nov05.b/n15472.d

Date : 07-NOV-2005 09:50

Client ID:

Instrument: VOAMS11.i

Sample Info: NBFB311

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: n15472.d

Spectrum: Avg. Scans 22-24 (1.84), Background Scan 19

Location of Maximum: 95.00

Number of points: 63

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	741	60.00	790	79.00	2113	116.00	307
37.00	4978	61.00	5153	80.00	601	117.00	530
38.00	4677	62.00	5561	81.00	2214	118.00	313
39.00	1769	63.00	4193	82.00	463	119.00	314
40.00	69	64.00	482	86.00	149	128.00	361
44.00	346	67.00	323	87.00	7619	130.00	298
45.00	1185	68.00	13705	88.00	6667	141.00	596
47.00	1894	69.00	13334	91.00	251	143.00	503
48.00	793	70.00	1221	92.00	3556	155.00	165
49.00	4653	72.00	819	93.00	5638	157.00	130
50.00	24000	73.00	5693	94.00	15132	174.00	100488
51.00	6991	74.00	22056	95.00	147968	175.00	7508
52.00	202	75.00	67640	96.00	10749	176.00	97272
55.00	408	76.00	6232	97.00	337	177.00	6230
56.00	1878	77.00	876	104.00	340	178.00	251
57.00	3236	78.00	766	106.00	319		

Data File: /chem/VOAMS11.i/624/11-07-05/07nov05.b/n15472.d

Date : 07-NOV-2005 09:50

Client ID:

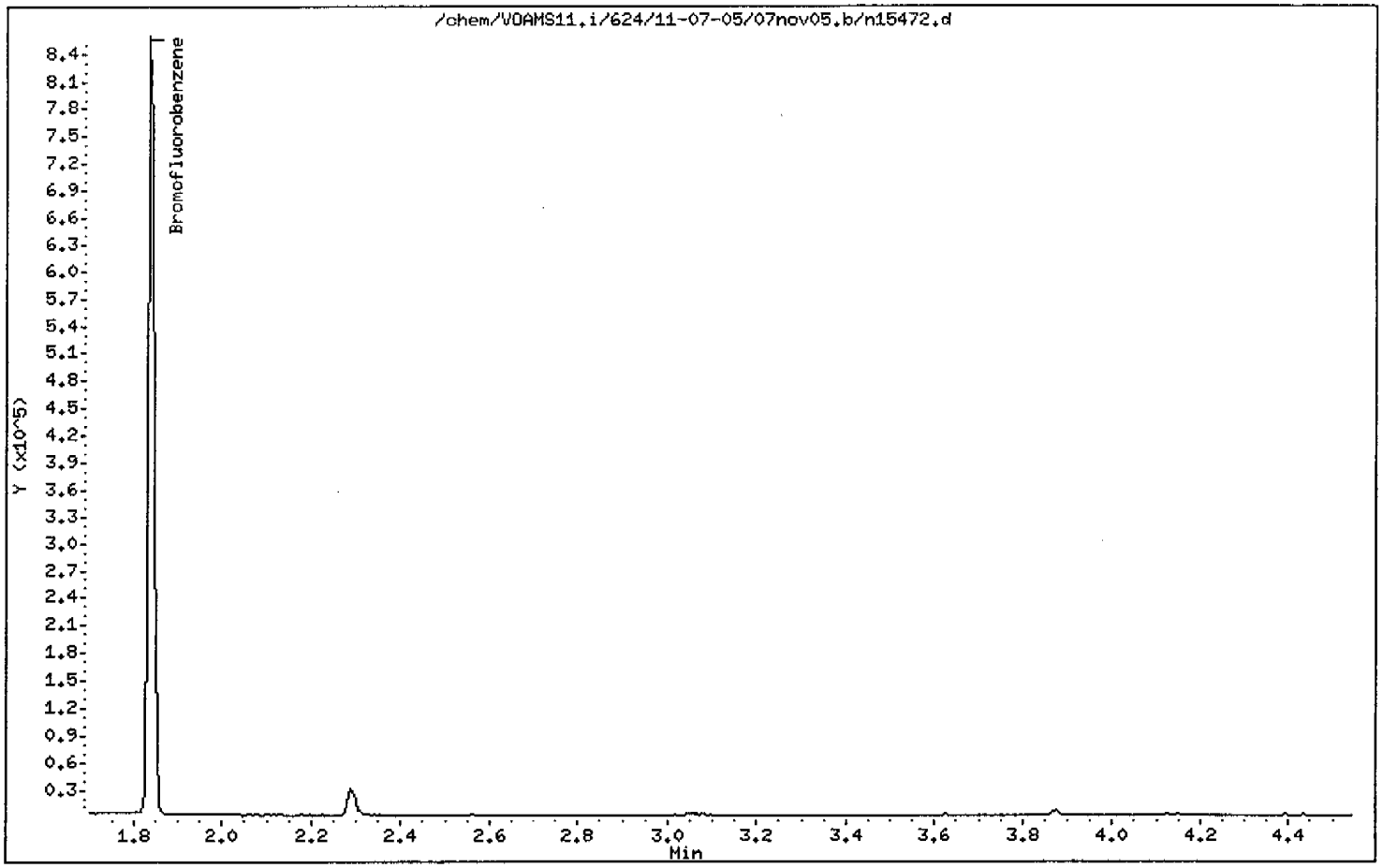
Instrument: VOAMS11.i

Sample Info: NBFB311

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: N15498

BFB Injection Date: 11/08/05

Instrument ID: VOAMS11

BFB Injection Time: 0753

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.0
75	30.0 - 60.0% of mass 95	44.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	71.7
175	5.0 - 9.0% of mass 174	5.0 (7.0)1
176	95.0 - 101.0% of mass 174	70.7 (98.7)1
177	5.0 - 9.0% of mass 176	4.6 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	NSTD312	NSTD312	N15499	11/08/05	0814
02	NV312B	NV312B	N15534	11/09/05	0114
03	WW2A	684309	N15542	11/09/05	0449
04	WW2B	684310	N15543	11/09/05	0516
05	WW2C	684311	N15544	11/09/05	0543
06	WW2E	684313	N15546	11/09/05	0637
07	F110405	684314	N15547	11/09/05	0704
08	T110405	684315	N15548	11/09/05	0731
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15498.d

Date : 08-NOV-2005 07:53

Client ID:

Instrument: VOAMS11.i

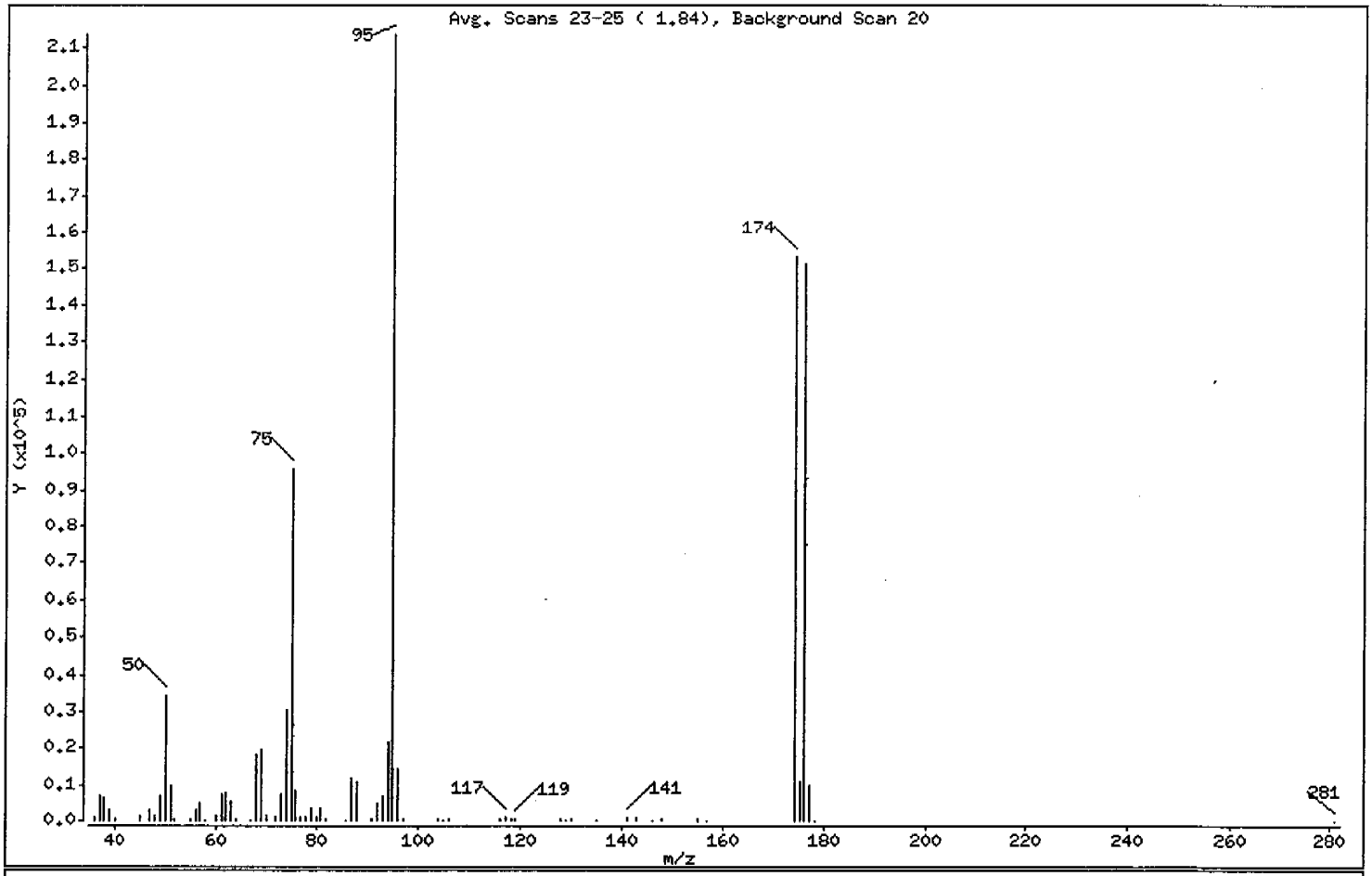
Sample Info: NBFB312

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.05
75	30.00 - 60.00% of mass 95	44.76
96	5.00 - 9.00% of mass 95	6.76
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	71.67
175	5.00 - 9.00% of mass 174	5.03 (7.02)
176	95.00 - 101.00% of mass 174	70.73 (98.69)
177	5.00 - 9.00% of mass 176	4.60 (6.50)

Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15498.d

Date : 08-NOV-2005 07:53

Client ID: Instrument: VOAMS11.i

Sample Info: NBFB312

Operator: VOAMS 1

Column phase: DB-624 Column diameter: 0.53

Data File: n15498.d
Spectrum: Avg. Scans 23-25 (1.84), Background Scan 20
Location of Maximum: 95.00
Number of points: 69

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	853	62.00	7620	86.00	123	129.00	149
37.00	6925	63.00	5644	87.00	11554	130.00	559
38.00	6172	64.00	634	88.00	10583	135.00	197
39.00	2868	67.00	169	91.00	462	141.00	975
40.00	250	68.00	17984	92.00	4915	143.00	852
45.00	1574	69.00	19640	93.00	7071	146.00	107
47.00	2753	70.00	1534	94.00	21464	148.00	395
48.00	1302	72.00	942	95.00	213568	155.00	430
49.00	6632	73.00	7160	96.00	14438	157.00	182
50.00	34280	74.00	30584	97.00	452	174.00	153024
51.00	9795	75.00	95600	104.00	556	175.00	10742
52.00	486	76.00	8481	105.00	127	176.00	151040
55.00	395	77.00	1097	106.00	511	177.00	9822
56.00	2736	78.00	1183	116.00	516	178.00	109
57.00	4947	79.00	3394	117.00	967	281.00	124
58.00	101	80.00	998	118.00	364		
60.00	1511	81.00	3308	119.00	629		
61.00	7274	82.00	680	128.00	554		

Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15498.d

Date : 08-NOV-2005 07:53

Client ID:

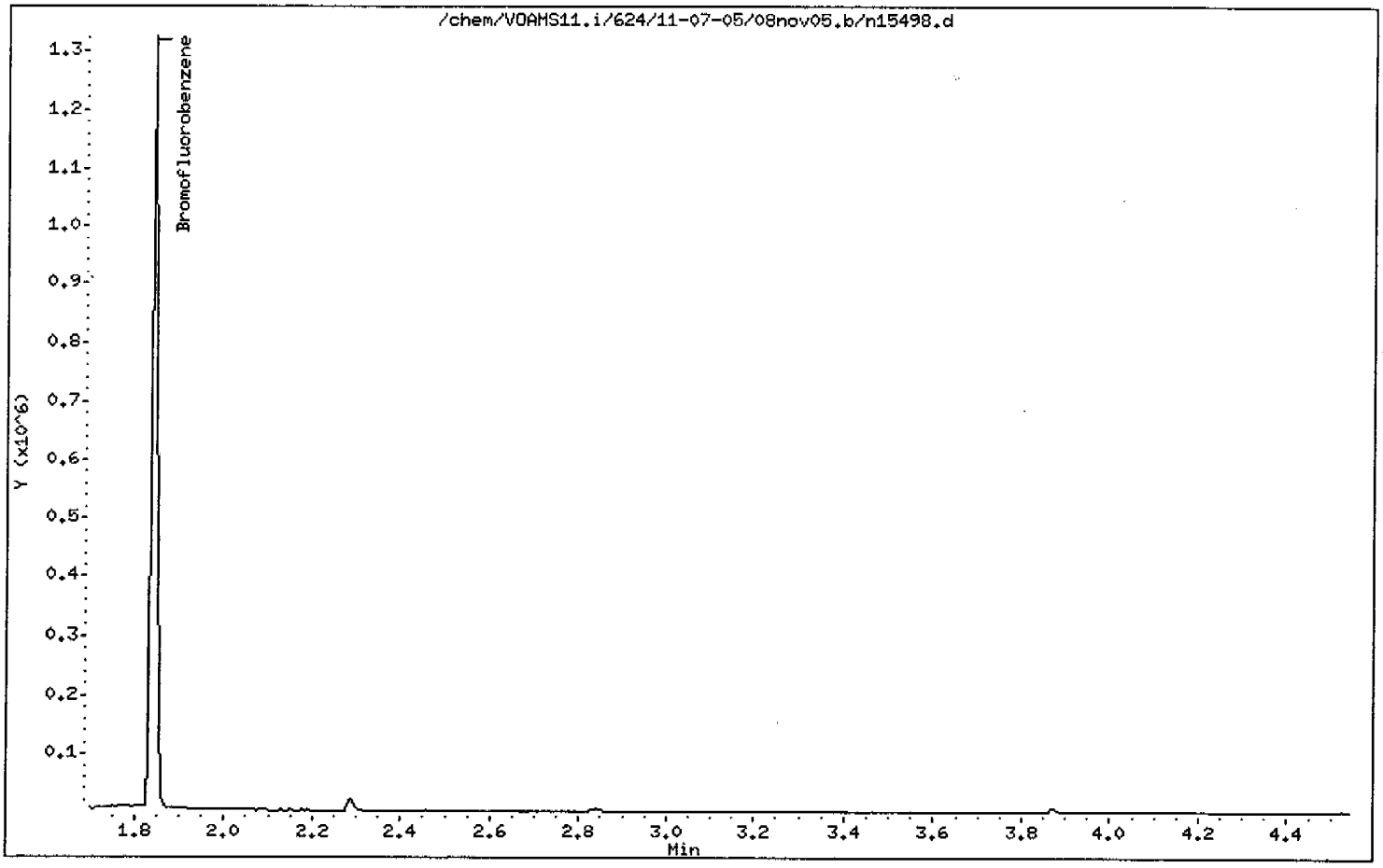
Instrument: VOAMS11.i

Sample Info: NBFB312

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: N15576

BFB Injection Date: 11/10/05

Instrument ID: VOAMS11

BFB Injection Time: 1141

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.2
75	30.0 - 60.0% of mass 95	44.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.2 (0.2)1
174	50.0 - 100.0% of mass 95	78.9
175	5.0 - 9.0% of mass 174	5.7 (7.2)1
176	95.0 - 101.0% of mass 174	77.1 (97.8)1
177	5.0 - 9.0% of mass 176	4.8 (6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	NSTD005	NSTD005	N15579	11/10/05	1255
02	NSTD020	NSTD020	N15580	11/10/05	1320
03	NSTD050	NSTD050	N15581	11/10/05	1345
04	NSTD200	NSTD200	N15582	11/10/05	1409
05	NSTD010	NSTD010	N15585	11/10/05	1534
06	NV314A	NV314A	N15589	11/10/05	1723
07	WW2D	684312	N15592	11/10/05	1837
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: /chem/VOAMS11.i/624/11-10-05/10nov05.b/n15576.d

Date : 10-NOV-2005 11:41

Client ID:

Instrument: VOAMS11.i

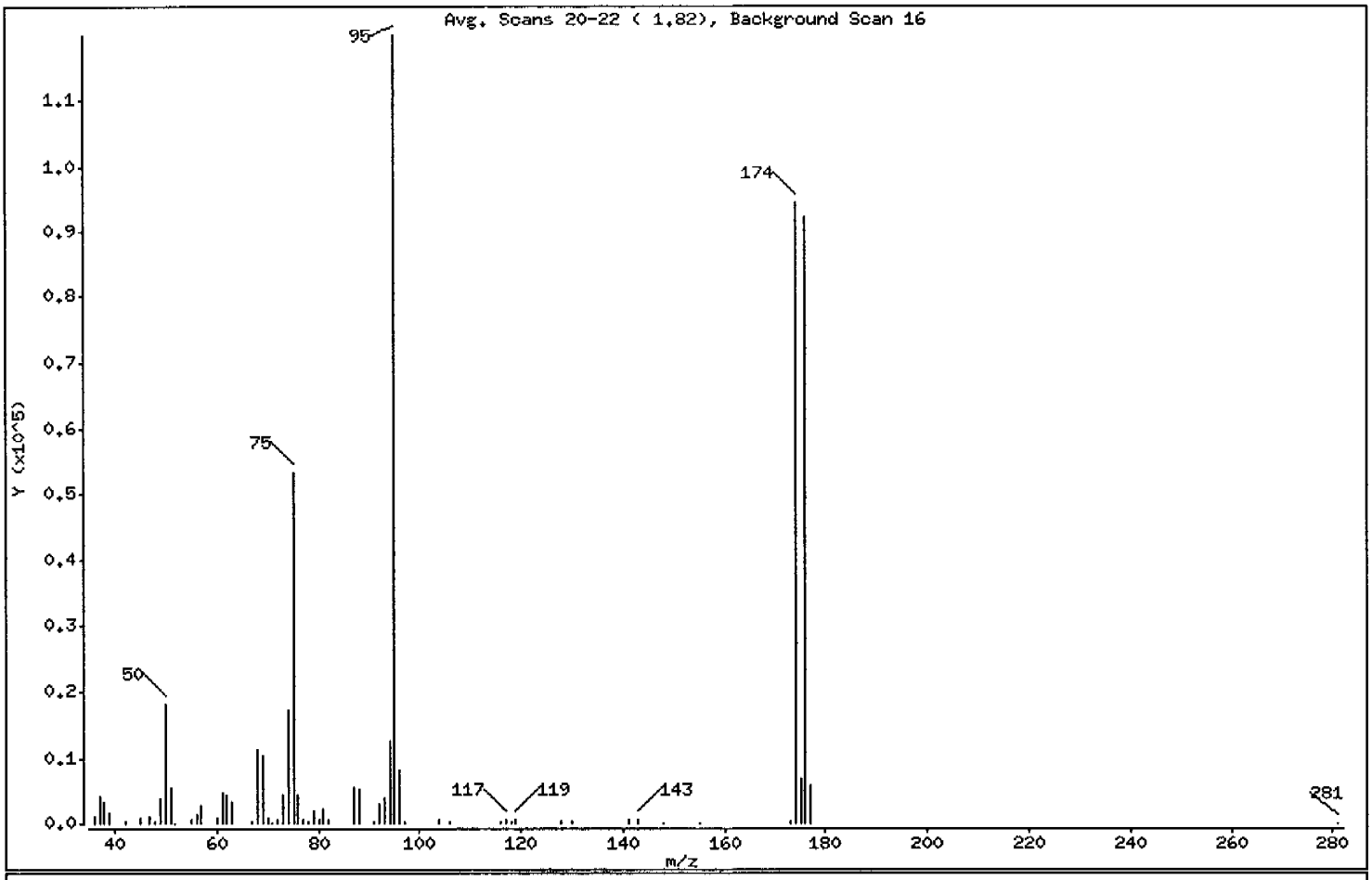
Sample Info: NBFB314

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.23
75	30.00 - 60.00% of mass 95	44.62
96	5.00 - 9.00% of mass 95	7.00
173	Less than 2.00% of mass 174	0.15 (0.20)
174	50.00 - 100.00% of mass 95	78.85
175	5.00 - 9.00% of mass 174	5.69 (7.21)
176	95.00 - 101.00% of mass 174	77.08 (97.75)
177	5.00 - 9.00% of mass 176	4.80 (6.23)

Data File: /chem/VOAMS11.i/624/11-10-05/10nov05.b/n15576.d

Date : 10-NOV-2005 11:41

Client ID:

Instrument: VOAMS11.i

Sample Info: NBFB314

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: n15576.d
Spectrum: Avg. Scans 20-22 (1.82), Background Scan 16
Location of Maximum: 95.00
Number of points: 62

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	973	61.00	4586	80.00	622	118.00	257
37.00	4171	62.00	4537	81.00	2231	119.00	569
38.00	3436	63.00	3427	82.00	503	128.00	299
39.00	1574	67.00	260	87.00	5495	130.00	179
42.00	224	68.00	11372	88.00	5143	141.00	551
45.00	919	69.00	10349	91.00	344	143.00	579
47.00	1145	70.00	921	92.00	3008	148.00	111
48.00	343	71.00	130	93.00	3972	155.00	126
49.00	3747	72.00	562	94.00	12735	173.00	185
50.00	18232	73.00	4409	95.00	119696	174.00	94384
51.00	5559	74.00	17448	96.00	8377	175.00	6808
52.00	118	75.00	53416	97.00	216	176.00	92264
55.00	459	76.00	4476	104.00	488	177.00	5750
56.00	1252	77.00	676	106.00	147	281.00	126
57.00	2830	78.00	265	116.00	165		
60.00	692	79.00	2013	117.00	573		

Data File: /chem/VOAMS11.i/624/11-10-05/10nov05.b/n15576.d

Date : 10-NOV-2005 11:41

Client ID:

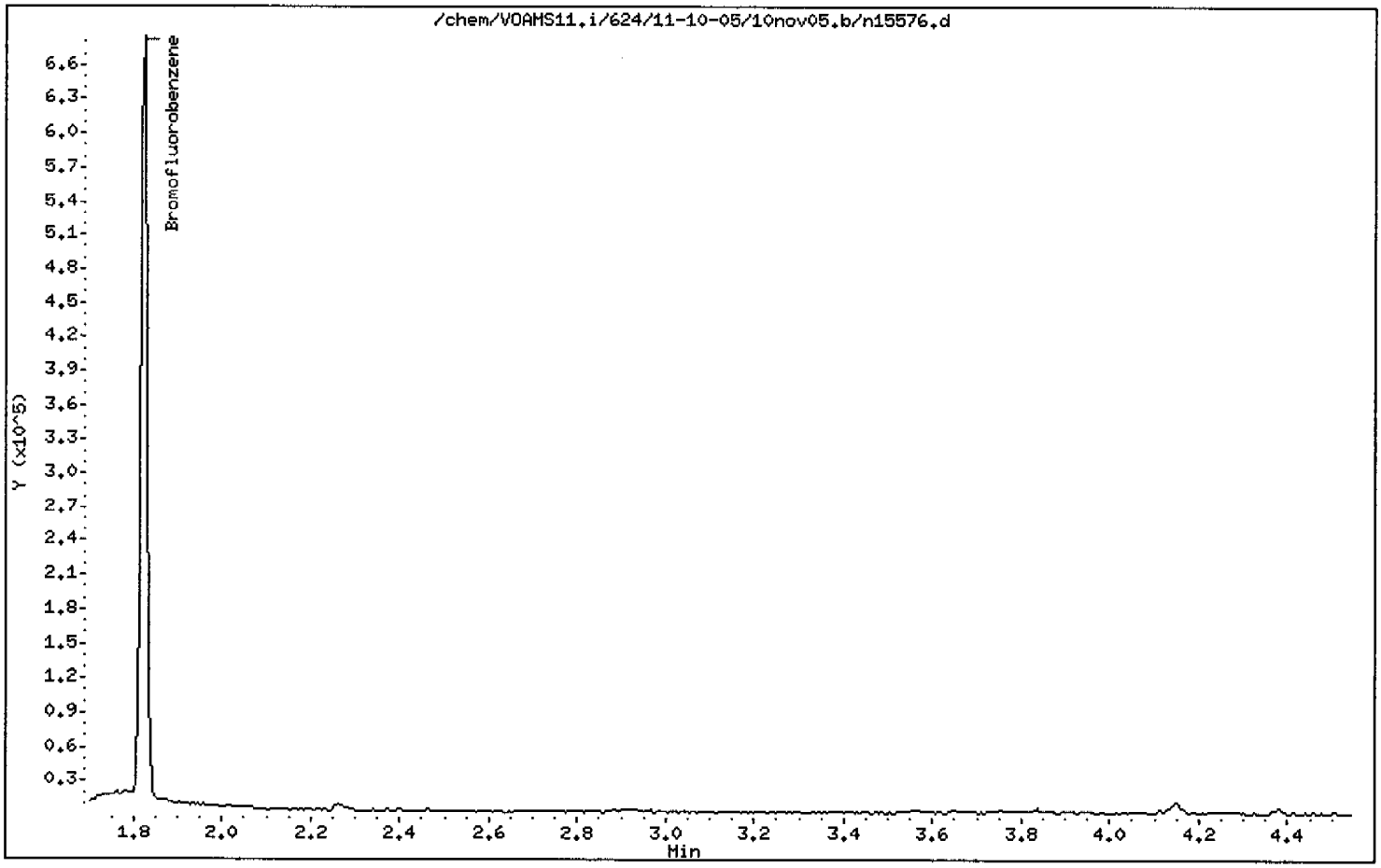
Instrument: VOAMS11.i

Sample Info: NBFB314

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



Method Blank Results Summary

VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

NV312B

Matrix: WATER

Date Analyzed: 11/09/05

Level: LOW

Time Analyzed: 0114

Lab File ID: N15534

Heated Purge (Y/N) N

Instrument ID: VOAMS11

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	WW2A	684309	N15542	0449
02	WW2B	684310	N15543	0516
03	WW2C	684311	N15544	0543
04	WW2E	684313	N15546	0637
05	F110405	684314	N15547	0704
06	T110405	684315	N15548	0731
07				
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30				

COMMENTS:

page 1 of 1

Client ID: **NV312B**
Site:

Lab Sample No: **NV312B**
Lab Job No: I456

Date Sampled: _____
Date Received: _____
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15534.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Acetone	ND	1.3
Carbon Disulfide	ND	0.3
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
2-Butanone	ND	0.9
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
4-Methyl-2-Pentanone	ND	0.5
2-Hexanone	ND	0.5
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5

Client ID: **NV312B**
Site:

Lab Sample No: **NV312B**
Lab Job No: I456

Date Sampled: _____
Date Received: _____
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15534.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Styrene	ND	0.4
Xylene (Total)	ND	0.4
Ethyl Ether	ND	0.2
Acrolein	ND	4.6
Freon TF	ND	0.4
Isopropanol	ND	500
Acetonitrile	ND	100
TBA	ND	4.4
Acrylonitrile	ND	1.8
MTBE	ND	0.2
Hexane	ND	0.4
DIPE	ND	0.3
Ethyl Acetate	ND	0.7
Vinyl Acetate	ND	0.3
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	0.3
Isobutanol	ND	500
Isopropyl Acetate	ND	0.4
n-Heptane	ND	1.0
n-Butanol	ND	48
Propyl Acetate	ND	0.5
Butyl Acetate	ND	0.4
1,2-Dibromoethane	ND	0.4
1,3-Dichlorobenzene	ND	0.4
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.4
Naphthalene	ND	0.4
Methylnaphthalene (total)	ND	1.0
Dimethylnaphthalene (total)	ND	1.0
Dichlorodifluoromethane	ND	0.5
1,4-Dioxane	ND	56
n-Pentane	ND	0.4
5-Methyl-2-Hexanone	ND	5.0
Isopropylbenzene	ND	0.5

Client ID: **NV312B**
Site:

Lab Sample No: **NV312B**
Lab Job No: I456

Date Sampled: _____
Date Received: _____
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15534.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
1,2,4-Trimethylbenzene	ND	0.4
Cyclohexanone	ND	100
1,2,4-Trichlorobenzene	ND	0.4
Methyl Methacrylate	ND	0.7
Allyl Alcohol	ND	1000
Epichlorohydrin	ND	4.8
Allyl Chloride	ND	5.0
Benzyl Chloride	ND	0.4
Isoprene	ND	0.4
1,1,1,2-Tetrachloroethane	ND	0.4
Camphene (total)	ND	20
Camphor	ND	20
1,3,5-Trimethylbenzene	ND	0.4
1,2,3-Trichlorobenzene	ND	0.3
n-Butylbenzene	ND	0.3
sec-Butylbenzene	ND	0.4
tert-Butylbenzene	ND	0.4
p-Isopropyltoluene	ND	0.4
n-Propylbenzene	ND	0.4
m+p-Ethyltoluene	ND	1.0
o-Ethyltoluene	ND	1.0
Methyl Acetate	ND	0.3
Methyl cyclohexane	ND	0.3
1,2-Dibromo-3-chloropropane	ND	0.3
Cyclohexene	ND	1.0
1,2-Dichlorotrifluoroethane	ND	1.0
n-Propanol	ND	500
3-Methyl-1-Pentyn-3-ol	ND	250
Propylene Oxide	ND	50
Ethanol	ND	500
Chlorotrifluoroethane	ND	1.0
Dichlorofluoromethane	ND	1.0
Ethylene Oxide	ND	500
Methyl Formate	ND	500

Client ID: **NV312B**
Site:

Lab Sample No: **NV312B**
Lab Job No: I456

Date Sampled: _____
Date Received: _____
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15534.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Isobutyraldehyde	ND	5.0
Amyl Acetate	ND	0.3
1,2,3-Trichloropropane	ND	0.5
Chlorodifluoromethane	ND	1.0
1,3-Dichloropropane	ND	0.4
Dibromomethane	ND	0.3
1-Propene	ND	0.4
2-Chloropropane	ND	0.3
1-Chloropropane	ND	0.3

Client ID: **NV312B**
Site:

Lab Sample No: **NV312B**
Lab Job No: I456

Date Sampled: _____
Date Received: _____
Date Analyzed: 11/09/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15534.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15534.d
Report Date: 09-Nov-2005 09:15

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15534.d
Lab Smp Id: NV312B
Inj Date : 09-NOV-2005 01:14
Operator : VOA11 Inst ID: VOAMS11.i
Smp Info : NV312B
Misc Info :
Comment :
Method : /chem/VOAMS11.i/624/11-07-05/08nov05.b/624_05.m
Meth Date : 09-Nov-2005 07:50 lily Quant Type: ISTD
Cal Date : 07-NOV-2005 13:40 Cal File: n15479.d
Als bottle: 29 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

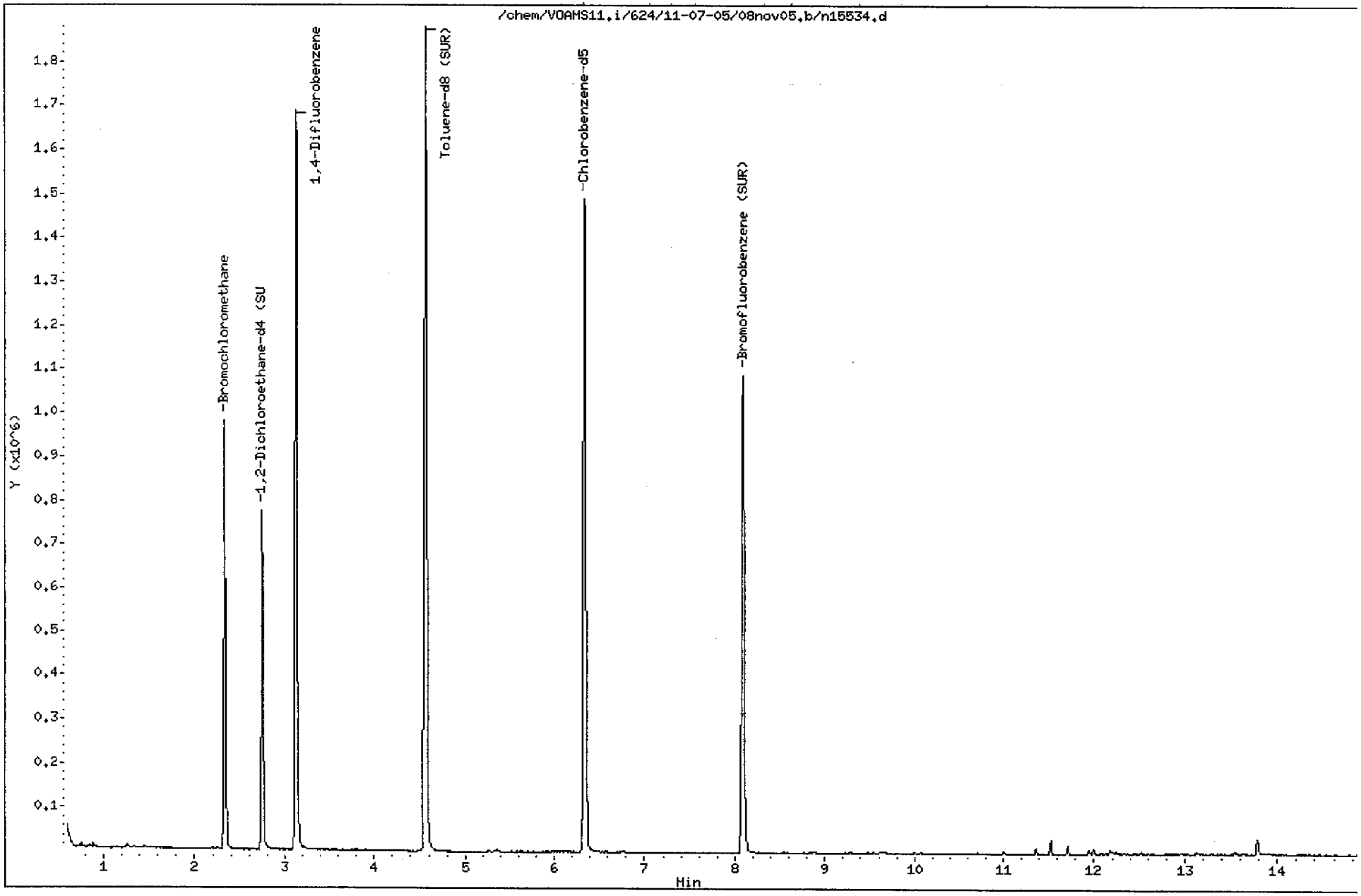
Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 2 Bromochloromethane	128	2.329	2.330	(1.000)	208825	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	2.749	2.749	(0.879)	63033	30.3411	30
* 19 1,4-Difluorobenzene	114	3.126	3.127	(1.000)	1301522	30.0000	
$ 37 Toluene-d8 (SUR)	98	4.562	4.562	(0.720)	1347585	29.6583	30
* 32 Chlorobenzene-d5	117	6.338	6.339	(1.000)	1045904	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	8.091	8.091	(1.276)	372851	29.0943	29

Data File: /chem/VOAMS11.i/624/11-07-05/08nov05.b/n15534.d
Date : 09-NOV-2005 01:14
Client ID:
Sample Info: NV312B
Purge Volume: 5.0
Column phase: DB624

Instrument: VOAMS11.i
Operator: VOA11
Column diameter: 0.18



VOLATILE METHOD BLANK SUMMARY

LAB SAMPLE NO.

NV314A

Matrix: WATER

Level: LOW

Lab File ID: N15589

Instrument ID: VOAMS11

Date Analyzed: 11/10/05

Time Analyzed: 1723

Heated Purge (Y/N) N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	WW2D	684312	N15592	1837
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
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30				

COMMENTS:

Client ID: **NV314A**
Site:

Lab Sample No: **NV314A**
Lab Job No: I456

Date Sampled: _____
Date Received: _____
Date Analyzed: 11/10/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15589.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.3
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.3
Chloroethane	ND	0.2
Methylene Chloride	ND	0.5
Acetone	ND	1.3
Carbon Disulfide	ND	0.3
Trichlorofluoromethane	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.5
1,2-Dichloroethane	ND	0.3
2-Butanone	ND	0.9
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.3
1,2-Dichloropropane	ND	0.3
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.4
Bromoform	ND	0.2
4-Methyl-2-Pentanone	ND	0.5
2-Hexanone	ND	0.5
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.4
Chlorobenzene	ND	0.4
Ethylbenzene	ND	0.5

Client ID: **NV314A**
Site:

Lab Sample No: **NV314A**
Lab Job No: I456

Date Sampled: _____
Date Received: _____
Date Analyzed: 11/10/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15589.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Styrene	ND	0.4
Xylene (Total)	ND	0.4
Ethyl Ether	ND	0.2
Acrolein	ND	4.6
Freon TF	ND	0.4
Isopropanol	ND	500
Acetonitrile	ND	100
TBA	ND	4.4
Acrylonitrile	ND	1.8
MTBE	ND	0.2
Hexane	ND	0.4
DIPE	ND	0.3
Ethyl Acetate	ND	0.7
Vinyl Acetate	ND	0.3
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	0.3
Isobutanol	ND	500
Isopropyl Acetate	ND	0.4
n-Heptane	ND	1.0
n-Butanol	ND	48
Propyl Acetate	ND	0.5
Butyl Acetate	ND	0.4
1,2-Dibromoethane	ND	0.4
1,3-Dichlorobenzene	ND	0.4
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.4
Naphthalene	ND	0.4
Methylnaphthalene (total)	ND	1.0
Dimethylnaphthalene (total)	ND	1.0
Dichlorodifluoromethane	ND	0.5
1,4-Dioxane	ND	56
n-Pentane	ND	0.4
5-Methyl-2-Hexanone	ND	5.0
Isopropylbenzene	ND	0.5

Client ID: **NV314A**
Site:

Lab Sample No: **NV314A**
Lab Job No: I456

Date Sampled: _____
Date Received: _____
Date Analyzed: 11/10/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15589.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
1,2,4-Trimethylbenzene	ND	0.4
Cyclohexanone	ND	100
1,2,4-Trichlorobenzene	ND	0.4
Methyl Methacrylate	ND	0.7
Allyl Alcohol	ND	1000
Epichlorohydrin	ND	4.8
Allyl Chloride	ND	5.0
Benzyl Chloride	ND	0.4
Isoprene	ND	0.4
1,1,1,2-Tetrachloroethane	ND	0.4
Camphene (total)	ND	20
Camphor	ND	20
1,3,5-Trimethylbenzene	ND	0.4
1,2,3-Trichlorobenzene	ND	0.3
n-Butylbenzene	ND	0.3
sec-Butylbenzene	ND	0.4
tert-Butylbenzene	ND	0.4
p-Isopropyltoluene	ND	0.4
n-Propylbenzene	ND	0.4
m+p-Ethyltoluene	ND	1.0
o-Ethyltoluene	ND	1.0
Methyl Acetate	ND	0.3
Methyl cyclohexane	ND	0.3
1,2-Dibromo-3-chloropropane	ND	0.3
Cyclohexene	ND	1.0
1,2-Dichlorotrifluoroethane	ND	1.0
n-Propanol	ND	500
3-Methyl-1-Pentyn-3-ol	ND	250
Propylene Oxide	ND	50
Ethanol	ND	500
Chlorotrifluoroethane	ND	1.0
Dichlorofluoromethane	ND	1.0
Ethylene Oxide	ND	500
Methyl Formate	ND	500

Client ID: **NV314A**
Site:

Lab Sample No: **NV314A**
Lab Job No: I456

Date Sampled: _____
Date Received: _____
Date Analyzed: 11/10/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15589.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Isobutyraldehyde	ND	5.0
Amyl Acetate	ND	0.3
1,2,3-Trichloropropane	ND	0.5
Chlorodifluoromethane	ND	1.0
1,3-Dichloropropane	ND	0.4
Dibromomethane	ND	0.3
1-Propene	ND	0.4
2-Chloropropane	ND	0.3
1-Chloropropane	ND	0.3

Client ID: **NV314A**
Site:

Lab Sample No: **NV314A**
Lab Job No: I456

Date Sampled: _____
Date Received: _____
Date Analyzed: 11/10/05
GC Column: DB624
Instrument ID: VOAMS11.i
Lab File ID: n15589.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	0.0

Data File: /chem/VOAMS11.i/624/11-10-05/10nov05.b/n15589.d
Report Date: 11-Nov-2005 08:14

STL Edison

VOLATILE ORGANIC COMPOUND ANALYSIS

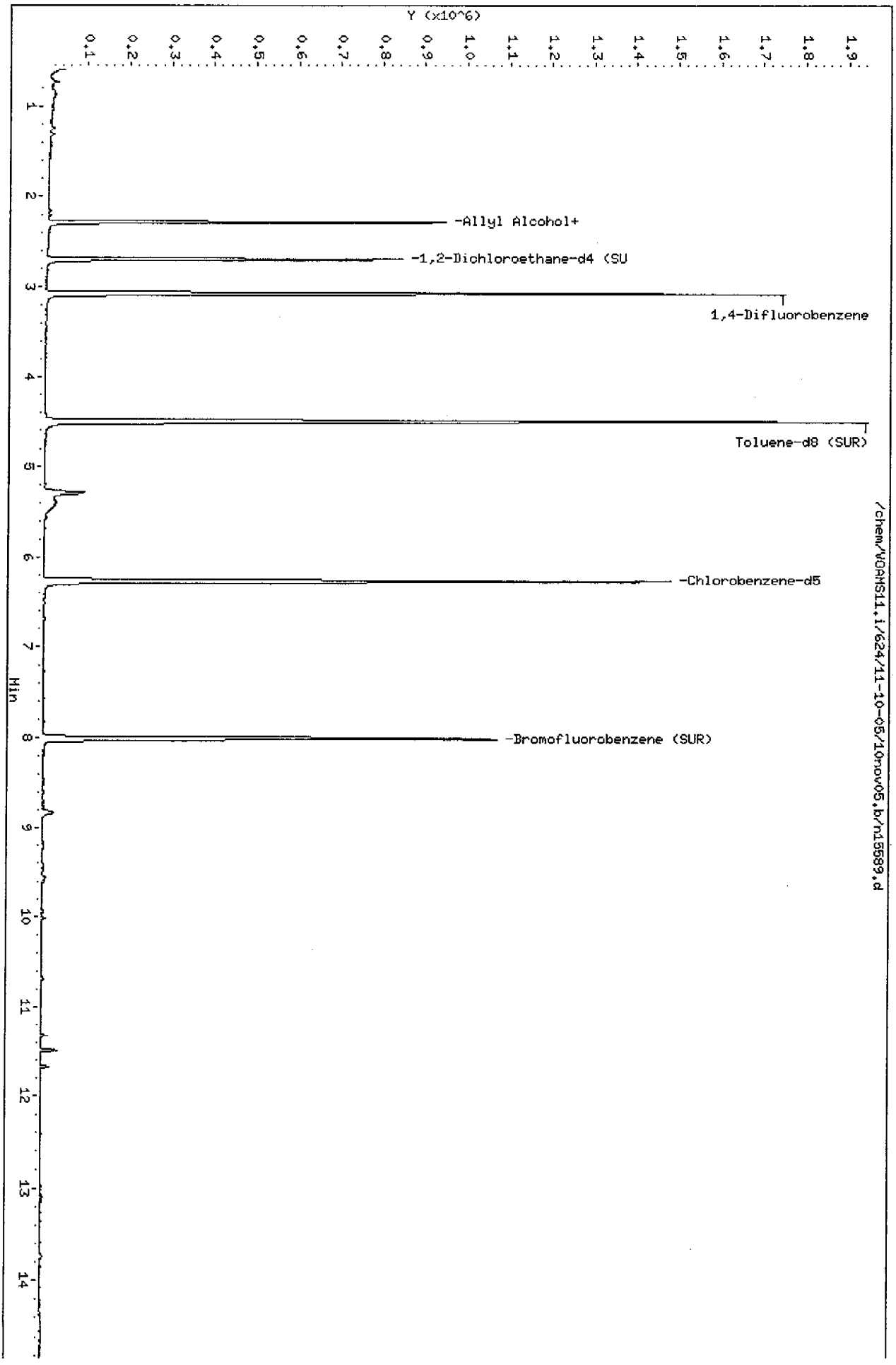
Data file : /chem/VOAMS11.i/624/11-10-05/10nov05.b/n15589.d
Lab Smp Id: NV314A
Inj Date : 10-NOV-2005 17:23
Operator : VOA11 Inst ID: VOAMS11.i
Smp Info : NV314A
Misc Info :
Comment :
Method : /chem/VOAMS11.i/624/11-10-05/10nov05.b/624_05.m
Meth Date : 11-Nov-2005 07:19 lily Quant Type: ISTD
Cal Date : 10-NOV-2005 15:34 Cal File: n15585.d
Als bottle: 13 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 2 Bromochloromethane	128	2.293	2.287	(1.000)	199934	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	2.701	2.700	(0.877)	66578	29.4714	29
* 19 1,4-Difluorobenzene	114	3.078	3.072	(1.000)	1314319	30.0000	
$ 37 Toluene-d8 (SUR)	98	4.495	4.495	(0.717)	1343285	29.5696	30
* 32 Chlorobenzene-d5	117	6.266	6.265	(1.000)	1014888	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	8.012	8.011	(1.279)	373623	29.7087	30


Data File: /chem/VOAMS11.i/624/11-10-05/10nov05.b/n15589.d
Date : 10-NOV-2005 17:23
Client ID:
Sample Info: NV314A
Purge Volume: 5.0
Column phase: DB624
Instrument: VOAMS11.i
Operator: VOA11
Column diameter: 0.18
Y (x10^6)
-Allyl Alcohol+
-1,2-Dichloroethane-d4 (SU
1,4-Difluorobenzene
Toluene-d8 (SUR)
-Chlorobenzene-d5
-Bromofluorobenzene (SUR)
Min
/chem/VOAMS11.i/624/11-10-05/10nov05.b/n15589.d

Calibration Summary

VOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 624

Instrument ID: VOAMS11 Calibration Date(s): 11/07/05 11/07/05

Heated Purge: (Y/N) N Calibration Time(s): 1152 1528

LAB FILE ID: RRF5: N15475 RRF10: N15476 RRF20: N15477
RRF50: N15481 RRF200: N15479

COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF200
Chloromethane	2.155	2.179	2.108	2.121	2.056
Bromomethane	0.477	0.378	0.404	0.492	0.363
Vinyl Chloride	2.293	2.210	2.200	2.229	2.155
Chloroethane	0.973	0.931	0.954	0.963	0.926
Methylene Chloride	2.006	1.867	1.821	1.794	1.691
Acetone	0.720	0.589	0.506	0.474	0.426
Carbon Disulfide	5.176	4.905	4.949	5.067	4.818
Trichlorofluoromethane	2.587	2.559	2.498	2.526	2.543
1,1-Dichloroethene	1.599	1.492	1.479	1.485	1.401
1,1-Dichloroethane	2.933	2.681	2.686	2.688	2.596
trans-1,2-Dichloroethene	1.925	1.792	1.733	1.728	1.569
cis-1,2-Dichloroethene	1.947	1.815	1.769	1.740	1.618
Chloroform	3.315	3.130	2.975	2.834	2.682
1,2-Dichloroethane	0.354	0.335	0.324	0.313	0.313
2-Butanone	0.253	0.238	0.220	0.227	0.215
1,1,1-Trichloroethane	2.008	1.923	1.924	1.991	2.030
Carbon Tetrachloride	1.348	1.269	1.289	1.400	1.499
Bromodichloromethane	0.277	0.265	0.267	0.271	0.285
1,2-Dichloropropane	0.238	0.226	0.225	0.215	0.209
cis-1,3-Dichloropropene	0.330	0.320	0.347	0.359	0.365
Trichloroethene	0.264	0.247	0.251	0.241	0.239
Dibromochloromethane	0.181	0.176	0.188	0.202	0.238
1,1,2-Trichloroethane	0.253	0.233	0.230	0.222	0.225
Benzene	1.168	1.068	1.058	1.016	0.970
trans-1,3-Dichloropropene	0.278	0.284	0.302	0.338	0.389
2-Chloroethyl Vinyl Ether	0.142	0.145	0.157	0.161	0.155
Bromoform	0.095	0.093	0.101	0.114	0.150
4-Methyl-2-Pentanone	0.188	0.193	0.199	0.213	0.210
2-Hexanone	0.138	0.146	0.153	0.166	0.169
Tetrachloroethene	0.293	0.269	0.274	0.266	0.276
1,1,2,2-Tetrachloroethane	0.370	0.349	0.342	0.327	0.342
Toluene	1.496	1.406	1.389	1.336	1.333
Chlorobenzene	0.886	0.817	0.822	0.787	0.803
Ethylbenzene	0.451	0.421	0.437	0.425	0.431
Styrene	0.925	0.879	0.904	0.894	0.904
Xylene (Total)	0.564	0.522	0.539	0.523	0.514
Ethyl Ether	1.511	1.457	1.442	1.458	1.278
Acrolein	0.019	0.018	0.022	0.022	0.026
Freon TF	1.657	1.570	1.595	1.610	1.424

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS11 Calibration Date(s): 11/07/05 11/07/05

Heated Purge: (Y/N) N Calibration Time(s): 1152 1528

LAB FILE ID: RRF5: N15475 RRF10: N15476 RRF20: N15477
RRF50: N15481 RRF200: N15479

COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF200
Isopropanol					
Acetonitrile	0.036	0.036	0.034	0.035	0.032
TBA	0.150	0.173	0.167	0.181	0.174
Acrylonitrile	0.519	0.547	0.550	0.558	0.572
MTBE	4.928	4.981	4.930	5.110	4.897
Hexane					
DIPE	4.179	4.164	4.180	4.236	3.927
Ethyl Acetate	0.189	0.197	0.188	0.192	0.183
Vinyl Acetate	3.522	3.577	3.568	3.578	2.048
Tetrahydrofuran					
Cyclohexane	2.305	2.087	2.142	2.227	2.001
Isobutanol					
Isopropyl Acetate	0.342	0.339	0.349	0.348	0.345
n-Heptane					
n-Butanol	0.033	0.038	0.039	0.040	0.042
Propyl Acetate	0.262	0.264	0.270	0.265	0.253
Butyl Acetate	0.315	0.336	0.365	0.391	0.386
1,2-Dibromoethane	0.266	0.252	0.253	0.250	0.263
1,3-Dichlorobenzene	0.640	0.586	0.589	0.576	0.582
1,4-Dichlorobenzene	0.658	0.599	0.610	0.591	0.594
1,2-Dichlorobenzene	0.622	0.577	0.582	0.566	0.569
Naphthalene	1.004	0.954	1.000	1.069	0.993
Methylnaphthalene (total)					
Dimethylnaphthalene (total)					
Dichlorodifluoromethane	2.107	2.039	2.011	2.076	1.996
1,4-Dioxane	0.003	0.003	0.004	0.003	0.004
n-Pentane	0.322	0.288	0.292	0.313	0.260
5-Methyl-2-Hexanone					
Isopropylbenzene	1.261	1.142	1.212	1.175	1.206
1,2,4-Trimethylbenzene	1.047	0.941	0.992	0.973	0.979
Cyclohexanone					
1,2,4-Trichlorobenzene	0.319	0.288	0.315	0.329	0.325
Methyl Methacrylate	0.072	0.074	0.073	0.076	0.075
Allyl Alcohol	0.024	0.030	0.032	0.033	0.034
Epichlorohydrin	0.022	0.024	0.023	0.026	0.022
Allyl Chloride					
Benzyl Chloride					
Isoprene	2.291	2.268	2.290	2.342	2.066
1,1,1,2-Tetrachloroethane	0.181	0.178	0.186	0.196	0.224

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS11 Calibration Date(s): 11/07/05 11/07/05

Heated Purge: (Y/N) N Calibration Time(s): 1152 1528

LAB FILE ID: RRF5: N15475 RRF10: N15476 RRF20: N15477
RRF50: N15481 RRF200: N15479

COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF200
Camphene (total)					
Camphor					
1,3,5-Trimethylbenzene	0.987	0.908	0.962	0.952	0.972
1,2,3-Trichlorobenzene	0.314	0.285	0.303	0.313	0.302
n-Butylbenzene	0.841	0.711	0.818	0.846	0.808
sec-Butylbenzene	1.098	0.944	1.065	1.069	1.058
tert-Butylbenzene	0.759	0.689	0.750	0.746	0.759
p-Isopropyltoluene	0.930	0.817	0.908	0.922	0.917
n-Propylbenzene	1.460	1.338	1.428	1.463	1.491
m+p-Ethyltoluene					
o-Ethyltoluene					
Methyl Acetate	1.423	1.457	1.428	1.413	1.360
Methyl cyclohexane	0.352	0.333	0.342	0.344	0.317
1,2-Dibromo-3-chloropropane	0.041	0.038	0.043	0.046	0.055
Cyclohexene					
1,2-Dichlorotrifluoroethane					
n-Propanol					
3-Methyl-1-Pentyn-3-ol					
Propylene Oxide					
Ethanol					
Chlorotrifluoroethane					
Dichlorofluoromethane					
Ethylene Oxide					
Methyl Formate					
Isobutyraldehyde					
Amyl Acetate	0.394	0.280	0.316	0.362	0.410
1,2,3-Trichloropropane	0.096	0.094	0.094	0.086	0.093
Chlorodifluoromethane					
1,3-Dichloropropane	0.502	0.471	0.467	0.450	0.459
Dibromomethane	0.161	0.148	0.146	0.138	0.139
1-Propene					
2-Chloropropane					
1-Chloropropane					
1,2-Dichloroethane-d4 (SUR)	0.048	0.049	0.048	0.047	0.047
Toluene-d8 (SUR)	1.314	1.302	1.294	1.311	1.296
Bromofluorobenzene (SUR)	0.370	0.363	0.369	0.366	0.370

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS11 Calibration Date(s): 11/07/05 11/07/05

Heated Purge: (Y/N) N Calibration Time(s): 1152 1528

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Chloromethane	AVRG	2.12403241	2.2*
Bromomethane	AVRG	0.42274067	13.8*
Vinyl Chloride	AVRG	2.21744429	2.3*
Chloroethane	AVRG	0.94941091	2.1*
Methylene Chloride	AVRG	1.83599203	6.2*
Acetone	AVRG	0.54318290	21.2*
Carbon Disulfide	AVRG	4.98302813	2.8*
Trichlorofluoromethane	AVRG	2.54288532	1.3*
1,1-Dichloroethene	AVRG	1.49126293	4.7*
1,1-Dichloroethane	AVRG	2.71694282	4.7*
trans-1,2-Dichloroethene	AVRG	1.74952274	7.3*
cis-1,2-Dichloroethene	AVRG	1.77771450	6.7*
Chloroform	AVRG	2.98713404	8.3*
1,2-Dichloroethane	AVRG	0.32780326	5.4*
2-Butanone	AVRG	0.23067006	6.5*
1,1,1-Trichloroethane	AVRG	1.97527472	2.5*
Carbon Tetrachloride	AVRG	1.36122109	6.8*
Bromodichloromethane	AVRG	0.27316502	3.0*
1,2-Dichloropropane	AVRG	0.22278878	5.0*
cis-1,3-Dichloropropene	AVRG	0.34422317	5.6*
Trichloroethene	AVRG	0.24867820	4.0*
Dibromochloromethane	AVRG	0.19707830	12.7*
1,1,2-Trichloroethane	AVRG	0.23274567	5.2*
Benzene	AVRG	1.05611330	7.0*
trans-1,3-Dichloropropene	AVRG	0.31834909	14.4*
2-Chloroethyl Vinyl Ether	AVRG	0.15217386	5.4*
Bromoform	AVRG	0.11072308	21.2*
4-Methyl-2-Pentanone	AVRG	0.20049102	5.2*
2-Hexanone	AVRG	0.15435623	8.5*
Tetrachloroethene	AVRG	0.27578546	3.8*
1,1,2,2-Tetrachloroethane	AVRG	0.34633455	4.5*
Toluene	AVRG	1.39192345	4.8*
Chlorobenzene	AVRG	0.82305805	4.6*
Ethylbenzene	AVRG	0.43308729	2.7*
Styrene	AVRG	0.90093168	1.9*
Xylene (Total)	AVRG	0.53251424	3.7*
Ethyl Ether	AVRG	1.42924682	6.2*
Acrolein	AVRG	0.02146193	15.1*
Freon TF	AVRG	1.57137202	5.6*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS11 Calibration Date(s): 11/07/05 11/07/05

Heated Purge: (Y/N) N Calibration Time(s): 1152 1528

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Isopropanol	AVRG		
Acetonitrile	AVRG	0.03484391	4.7*
TBA	AVRG	0.16911299	6.9*
Acrylonitrile	AVRG	0.54925545	3.6*
MTBE	AVRG	4.96931765	1.7*
Hexane	AVRG		
DIPE	AVRG	4.13719910	2.9*
Ethyl Acetate	AVRG	0.18981610	2.8*
Vinyl Acetate	AVRG	3.25871682	20.8*
Tetrahydrofuran	AVRG		
Cyclohexane	AVRG	2.15248185	5.5*
Isobutanol	AVRG		
Isopropyl Acetate	AVRG	0.34483136	1.2*
n-Heptane	AVRG		
n-Butanol	AVRG	0.03860228	9.3*
Propyl Acetate	AVRG	0.26263859	2.3*
Butyl Acetate	AVRG	0.35862513	9.1*
1,2-Dibromoethane	AVRG	0.25682957	2.8*
1,3-Dichlorobenzene	AVRG	0.59479100	4.4*
1,4-Dichlorobenzene	AVRG	0.61068586	4.5*
1,2-Dichlorobenzene	AVRG	0.58333515	3.9*
Naphthalene	AVRG	1.00406946	4.1*
Methylnaphthalene (total)	AVRG		
Dimethylnaphthalene (total)	AVRG		
Dichlorodifluoromethane	AVRG	2.04579967	2.2*
1,4-Dioxane	AVRG	0.00340112	9.3*
n-Pentane	AVRG	0.29499719	8.1*
5-Methyl-2-Hexanone	AVRG		
Isopropylbenzene	AVRG	1.19929331	3.7*
1,2,4-Trimethylbenzene	AVRG	0.98635127	3.9*
Cyclohexanone	AVRG		
1,2,4-Trichlorobenzene	AVRG	0.31535345	5.1*
Methyl Methacrylate	AVRG	0.07418247	2.5*
Allyl Alcohol	AVRG	0.03060657	13.2*
Epichlorohydrin	AVRG	0.02363784	7.0*
Allyl Chloride	AVRG		
Benzyl Chloride	AVRG		
Isoprene	AVRG	2.25109567	4.8*
1,1,1,2-Tetrachloroethane	AVRG	0.19311039	9.7*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS11 Calibration Date(s): 11/07/05 11/07/05

Heated Purge: (Y/N) N Calibration Time(s): 1152 1528

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Camphene (total)	AVRG		
Camphor	AVRG		
1,3,5-Trimethylbenzene	AVRG	0.95645851	3.1*
1,2,3-Trichlorobenzene	AVRG	0.30328226	3.9*
n-Butylbenzene	AVRG	0.80500242	6.8*
sec-Butylbenzene	AVRG	1.04682680	5.7*
tert-Butylbenzene	AVRG	0.74093892	4.0*
p-Isopropyltoluene	AVRG	0.89885166	5.2*
n-Propylbenzene	AVRG	1.43611851	4.1*
m+p-Ethyltoluene	AVRG		
o-Ethyltoluene	AVRG		
Methyl Acetate	AVRG	1.41642134	2.5*
Methyl cyclohexane	AVRG	0.33744649	3.9*
1,2-Dibromo-3-chloropropane	AVRG	0.04485259	14.6*
Cyclohexene	AVRG		
1,2-Dichlorotrifluoroethane	AVRG		
n-Propanol	AVRG		
3-Methyl-1-Pentyn-3-ol	AVRG		
Propylene Oxide	AVRG		
Ethanol	AVRG		
Chlorotrifluoroethane	AVRG		
Dichlorofluoromethane	AVRG		
Ethylene Oxide	AVRG		
Methyl Formate	AVRG		
Isobutyraldehyde	AVRG		
Amyl Acetate	AVRG	0.35248899	15.4*
1,2,3-Trichloropropane	AVRG	0.09277170	4.0*
Chlorodifluoromethane	AVRG		
1,3-Dichloropropane	AVRG	0.46977757	4.2*
Dibromomethane	AVRG	0.14642856	6.4*
1-Propene	AVRG		
2-Chloropropane	AVRG		
1-Chloropropane	AVRG		
1,2-Dichloroethane-d4 (SUR)	AVRG	0.04788578	1.7*
Toluene-d8 (SUR)	AVRG	1.30328336	0.7*
Bromofluorobenzene (SUR)	AVRG	0.36758401	0.8*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK
METHOD 624

Instrument ID: VOAMS11 Calibration Date: 11/08/05 Time: 0814

Lab File ID: N15499 Init. Calib. Date(s): 11/07/05 11/07/05

Heated Purge: (Y/N) N Init. Calib. Times: 1152 1528

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Chloromethane	2.124	2.171		-2.2	104
Bromomethane	0.423	0.308		27.2	86.0
Vinyl Chloride	2.217	2.243		-1.2	96.0
Chloroethane	0.949	0.874		7.9	62.0
Methylene Chloride	1.836	1.786		2.7	39.5
Acetone	0.543	0.506		6.8	40.0
Carbon Disulfide	4.983	4.925		1.2	40.0
Trichlorofluoromethane	2.543	2.543		0.0	52.0
1,1-Dichloroethene	1.491	1.499		-0.5	49.5
1,1-Dichloroethane	2.717	2.661		2.1	27.5
trans-1,2-Dichloroethene	1.749	1.744		0.3	30.5
cis-1,2-Dichloroethene	1.778	1.778		0.0	40.0
Chloroform	2.987	3.060		-2.4	32.5
1,2-Dichloroethane	0.328	0.339		-3.4	32.0
2-Butanone	0.231	0.197		14.7	40.0
1,1,1-Trichloroethane	1.975	1.993		-0.9	25.0
Carbon Tetrachloride	1.361	1.413		-3.8	27.0
Bromodichloromethane	0.273	0.299		-9.5	34.5
1,2-Dichloropropane	0.223	0.234		-4.9	66.0
cis-1,3-Dichloropropene	0.344	0.368		-7.0	76.0
Trichloroethene	0.248	0.257		-3.6	33.5
Dibromochloromethane	0.197	0.229		-16.2	32.5
1,1,2-Trichloroethane	0.233	0.249		-6.9	29.0
Benzene	1.056	1.076		-1.9	36.0
trans-1,3-Dichloropropene	0.318	0.359		-12.9	50.0
2-Chloroethyl Vinyl Ether	0.152	0.155		-2.0	124
Bromoform	0.111	0.126		-13.5	29.0
4-Methyl-2-Pentanone	0.201	0.172		14.4	40.0
2-Hexanone	0.154	0.135		12.3	40.0
Tetrachloroethene	0.276	0.288		-4.3	26.5
1,1,2,2-Tetrachloroethane	0.346	0.366		-5.8	39.5
Toluene	1.392	1.445		-3.8	25.5
Chlorobenzene	0.823	0.866		-5.2	34.0
Ethylbenzene	0.433	0.454		-4.8	41.0
Styrene	0.901	0.941		-4.4	40.0
Xylene (Total)	0.532	0.562		-5.6	40.0
Ethyl Ether	1.429	1.362		4.7	40.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 624

Instrument ID: VOAMS11 Calibration Date: 11/08/05 Time: 0814

Lab File ID: N15499 Init. Calib. Date(s): 11/07/05 11/07/05

Heated Purge: (Y/N) N Init. Calib. Times: 1152 1528

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Acrolein	0.021	0.024		-14.3	40.0
Freon TF	1.571	1.579		-0.5	40.0
Isopropanol					40.0
Acetonitrile	0.035	0.031		11.4	40.0
TBA	0.169	0.141		16.6	40.0
Acrylonitrile	0.549	0.521		5.1	40.0
MTBE	4.969	4.669		6.0	40.0
Hexane					40.0
DIPE	4.137	3.998		3.4	40.0
Ethyl Acetate	0.190	0.165		13.2	40.0
Vinyl Acetate	3.259	3.338		-2.4	40.0
Tetrahydrofuran					40.0
Cyclohexane	2.152	2.107		2.1	40.0
Isobutanol					40.0
Isopropyl Acetate	0.345	0.316		8.4	40.0
n-Heptane					40.0
n-Butanol	0.038	0.036		5.3	40.0
Propyl Acetate	0.263	0.288		-9.5	40.0
Butyl Acetate	0.359	0.322		10.3	40.0
1,2-Dibromoethane	0.257	0.275		-7.0	40.0
1,3-Dichlorobenzene	0.595	0.620		-4.2	27.0
1,4-Dichlorobenzene	0.610	0.640		-4.9	37.0
1,2-Dichlorobenzene	0.583	0.607		-4.1	37.0
Naphthalene	1.004	1.015		-1.1	40.0
Methylnaphthalene (total)					40.0
Dimethylnaphthalene (total)					40.0
Dichlorodifluoromethane	2.046	2.085		-1.9	40.0
1,4-Dioxane	0.003	0.003		0.0	40.0
n-Pentane	0.295	0.294		0.3	40.0
5-Methyl-2-Hexanone					40.0
Isopropylbenzene	1.199	1.264		-5.4	40.0
1,2,4-Trimethylbenzene	0.986	1.032		-4.7	40.0
Cyclohexanone					40.0
1,2,4-Trichlorobenzene	0.315	0.326		-3.5	40.0
Methyl Methacrylate	0.074	0.067		9.4	40.0
Allyl Alcohol	0.031	0.030		3.2	40.0
Epichlorohydrin	0.023	0.023		0.0	40.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 624

Instrument ID: VOAMS11 Calibration Date: 11/08/05 Time: 0814

Lab File ID: N15499 Init. Calib. Date(s): 11/07/05 11/07/05

Heated Purge: (Y/N) N Init. Calib. Times: 1152 1528

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
Allyl Chloride					40.0
Benzyl Chloride					40.0
Isoprene	2.251	2.258		-0.3	40.0
1,1,1,2-Tetrachloroethane	0.193	0.217		-12.4	40.0
Camphene (total)					40.0
Camphor					40.0
1,3,5-Trimethylbenzene	0.956	1.011		-5.8	40.0
1,2,3-Trichlorobenzene	0.303	0.310		-2.3	40.0
n-Butylbenzene	0.805	0.884		-9.8	40.0
sec-Butylbenzene	1.047	1.135		-8.4	40.0
tert-Butylbenzene	0.741	0.782		-5.5	40.0
p-Isopropyltoluene	0.899	0.977		-8.7	40.0
n-Propylbenzene	1.436	1.498		-4.3	40.0
m+p-Ethyltoluene					40.0
o-Ethyltoluene					40.0
Methyl Acetate	1.416	1.287		9.1	40.0
Methyl cyclohexane	0.338	0.345		-2.1	40.0
1,2-Dibromo-3-chloropropane	0.045	0.048		-6.7	40.0
Cyclohexene					40.0
1,2-Dichlorotrifluoroethane					40.0
n-Propanol					40.0
3-Methyl-1-Pentyn-3-ol					40.0
Propylene Oxide					40.0
Ethanol					40.0
Chlorotrifluoroethane					40.0
Dichlorofluoromethane					40.0
Ethylene Oxide					40.0
Methyl Formate					40.0
Isobutyraldehyde					40.0
Amyl Acetate	0.352	0.295		16.2	40.0
1,2,3-Trichloropropane	0.093	0.097		-4.3	40.0
Chlorodifluoromethane					40.0
1,3-Dichloropropane	0.470	0.500		-6.4	40.0
Dibromomethane	0.146	0.155		-6.2	40.0
1-Propene					40.0
2-Chloropropane					40.0
1-Chloropropane					40.0

VOLATILE ORGANICS CONTINUING CALIBRATION CHECK(cont'd)
METHOD 624

Instrument ID: VOAMS11 Calibration Date: 11/08/05 Time: 0814

Lab File ID: N15499 Init. Calib. Date(s): 11/07/05 11/07/05

Heated Purge: (Y/N) N Init. Calib. Times: 1152 1528

COMPOUND	$\overline{RRF}$	RRF20	MIN RRF	%D	MAX %D
1,2-Dichloroethane-d4 (SUR)	0.048	0.049		-2.1	
Toluene-d8 (SUR)	1.303	1.302		0.1	
Bromofluorobenzene (SUR)	0.368	0.371		-0.8	

VOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 624

Instrument ID: VOAMS11 Calibration Date(s): 11/10/05 11/10/05

Heated Purge: (Y/N) N Calibration Time(s): 1255 1534

LAB FILE ID: RRF5: N15579 RRF10: N15585 RRF20: N15580
RRF50: N15581 RRF200: N15582

COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF200
Chloromethane	2.299	2.334	2.411	2.289	2.203
Bromomethane	0.291	0.391	0.282	0.279	0.298
Vinyl Chloride	2.086	2.327	2.415	2.334	2.271
Chloroethane	0.398	0.761	0.392	0.383	0.456
Methylene Chloride	1.873	1.918	1.843	1.805	1.731
Acetone	0.898	0.712	0.654	0.578	0.548
Carbon Disulfide	4.951	5.115	4.918	4.802	4.890
Trichlorofluoromethane	1.090	2.170	1.334	1.750	1.843
1,1-Dichloroethene	1.285	1.509	1.295	1.327	1.340
1,1-Dichloroethane	2.854	2.973	2.824	2.867	2.861
trans-1,2-Dichloroethene	1.702	1.832	1.675	1.687	1.624
cis-1,2-Dichloroethene	1.766	1.833	1.730	1.744	1.660
Chloroform	3.177	3.223	3.063	2.940	2.863
1,2-Dichloroethane	0.350	0.334	0.337	0.344	0.341
2-Butanone	0.288	0.262	0.269	0.258	0.256
1,1,1-Trichloroethane	1.878	1.966	1.867	1.936	2.125
Carbon Tetrachloride	1.090	1.203	1.094	1.246	1.467
Bromodichloromethane	0.235	0.237	0.247	0.268	0.300
1,2-Dichloropropane	0.252	0.259	0.254	0.258	0.258
cis-1,3-Dichloropropene	0.270	0.309	0.309	0.350	0.384
Trichloroethene	0.241	0.254	0.243	0.252	0.259
Dibromochloromethane	0.157	0.166	0.182	0.207	0.248
1,1,2-Trichloroethane	0.227	0.236	0.240	0.240	0.239
Benzene	1.120	1.157	1.094	1.138	1.107
trans-1,3-Dichloropropene	0.247	0.289	0.297	0.351	0.416
2-Chloroethyl Vinyl Ether	0.169	0.166	0.178	0.186	0.190
Bromoform	0.082	0.083	0.096	0.116	0.161
4-Methyl-2-Pentanone	0.216	0.212	0.227	0.236	0.245
2-Hexanone	0.181	0.177	0.195	0.196	0.209
Tetrachloroethene	0.273	0.297	0.259	0.268	0.272
1,1,2,2-Tetrachloroethane	0.357	0.343	0.365	0.354	0.364
Toluene	1.383	1.461	1.337	1.348	1.336
Chlorobenzene	0.832	0.843	0.793	0.808	0.812
Ethylbenzene	0.426	0.445	0.406	0.424	0.430
Styrene	0.854	0.909	0.871	0.899	0.914
Xylene (Total)	0.520	0.555	0.516	0.520	0.514
Ethyl Ether	1.428	1.463	1.393	1.347	1.323
Acrolein	0.049	0.031	0.024	0.024	0.023
Freon TF	1.483	1.637	1.470	1.387	1.369

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS11 Calibration Date(s): 11/10/05 11/10/05

Heated Purge: (Y/N) N Calibration Time(s): 1255 1534

LAB FILE ID: RRF5: N15579 RRF10: N15585 RRF20: N15580
RRF50: N15581 RRF200: N15582

COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF200
Isopropanol					
Acetonitrile	0.039	0.038	0.039	0.038	0.035
TBA	0.255	0.219	0.240	0.224	0.236
Acrylonitrile	0.722	0.671	0.698	0.667	0.695
MTBE	5.898	5.637	5.843	5.675	5.708
Hexane					
DIPE	4.730	4.638	4.743	4.602	4.390
Ethyl Acetate	0.224	0.220	0.226	0.217	0.217
Vinyl Acetate	4.133	4.113	3.966	4.024	3.882
Tetrahydrofuran					
Cyclohexane	2.350	2.402	2.285	2.198	2.163
Isobutanol					
Isopropyl Acetate	0.447	0.426	0.446	0.477	0.484
n-Heptane					
n-Butanol	0.033	0.037	0.039	0.042	0.053
Propyl Acetate	0.376	0.346	0.352	0.360	0.370
Butyl Acetate	0.366	0.385	0.414	0.438	0.453
1,2-Dibromoethane	0.256	0.260	0.270	0.276	0.283
1,3-Dichlorobenzene	0.635	0.621	0.588	0.585	0.598
1,4-Dichlorobenzene	0.643	0.639	0.597	0.601	0.608
1,2-Dichlorobenzene	0.601	0.607	0.576	0.576	0.582
Naphthalene	1.424	1.216	1.101	1.145	1.134
Methylnaphthalene (total)					
Dimethylnaphthalene (total)					
Dichlorodifluoromethane	1.865	2.125	2.123	2.028	2.056
1,4-Dioxane	0.005	0.004	0.004	0.004	0.004
n-Pentane	0.273	0.297	0.248	0.244	0.244
5-Methyl-2-Hexanone					
Isopropylbenzene	1.131	1.202	1.117	1.156	1.216
1,2,4-Trimethylbenzene	1.038	1.072	0.976	0.988	1.035
Cyclohexanone					
1,2,4-Trichlorobenzene	0.379	0.367	0.331	0.341	0.346
Methyl Methacrylate	0.076	0.075	0.082	0.085	0.088
Allyl Alcohol					
Epichlorohydrin	0.027	0.026	0.029	0.029	0.030
Allyl Chloride					
Benzyl Chloride					
Isoprene	2.113	2.282	2.090	2.004	2.013
1,1,1,2-Tetrachloroethane	0.148	0.158	0.163	0.192	0.225

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS11 Calibration Date(s): 11/10/05 11/10/05

Heated Purge: (Y/N) N Calibration Time(s): 1255 1534

LAB FILE ID: RRF5: N15579 RRF10: N15585 RRF20: N15580
RRF50: N15581 RRF200: N15582

COMPOUND	RRF5	RRF10	RRF20	RRF50	RRF200
Camphene (total)					
Camphor					
1,3,5-Trimethylbenzene	0.980	1.048	0.958	0.966	1.013
1,2,3-Trichlorobenzene	0.401	0.368	0.323	0.327	0.328
n-Butylbenzene	0.812	0.961	0.793	0.808	0.844
sec-Butylbenzene	1.033	1.167	1.005	1.043	1.099
tert-Butylbenzene	0.754	0.808	0.721	0.747	0.789
p-Isopropyltoluene	0.924	1.014	0.879	0.909	0.954
n-Propylbenzene	1.426	1.513	1.359	1.393	1.534
m+p-Ethyltoluene					
o-Ethyltoluene					
Methyl Acetate	1.951	1.696	1.793	1.666	1.612
Methyl cyclohexane	0.356	0.373	0.355	0.351	0.350
1,2-Dibromo-3-chloropropane	0.047	0.040	0.048	0.056	0.070
Cyclohexene					
1,2-Dichlorotrifluoroethane					
n-Propanol					
3-Methyl-1-Pentyn-3-ol					
Propylene Oxide					
Ethanol					
Chlorotrifluoroethane					
Dichlorofluoromethane					
Ethylene Oxide					
Methyl Formate					
Isobutyraldehyde					
Amyl Acetate					
1,2,3-Trichloropropane	0.105	0.097	0.105	0.102	0.104
Chlorodifluoromethane					
1,3-Dichloropropane	0.489	0.493	0.495	0.496	0.493
Dibromomethane	0.155	0.146	0.152	0.154	0.156
1-Propene	0.465	0.454	0.466	0.425	0.425
2-Chloropropane	2.561	2.497	2.444	2.375	2.373
1-Chloropropane	1.681	2.684	2.346	2.430	2.368
1,2-Dichloroethane-d4 (SUR)	0.053	0.052	0.052	0.051	0.050
Toluene-d8 (SUR)	1.341	1.351	1.342	1.348	1.332
Bromofluorobenzene (SUR)	0.367	0.368	0.374	0.370	0.378

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS11 Calibration Date(s): 11/10/05 11/10/05

Heated Purge: (Y/N) N Calibration Time(s): 1255 1534

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Chloromethane	AVRG	2.30725061	3.3*
Bromomethane	AVRG	0.30818088	15.2*
Vinyl Chloride	AVRG	2.28674270	5.4*
Chloroethane	AVRG	0.47799942	33.6*
Methylene Chloride	AVRG	1.83396785	3.9*
Acetone	AVRG	0.67827851	20.5*
Carbon Disulfide	AVRG	4.93515696	2.3*
Trichlorofluoromethane	AVRG	1.63728170	26.1*
1,1-Dichloroethene	AVRG	1.35114182	6.7*
1,1-Dichloroethane	AVRG	2.87590718	2.0*
trans-1,2-Dichloroethene	AVRG	1.70395244	4.5*
cis-1,2-Dichloroethene	AVRG	1.74643382	3.6*
Chloroform	AVRG	3.05311280	5.0*
1,2-Dichloroethane	AVRG	0.34139037	1.9*
2-Butanone	AVRG	0.26660231	5.0*
1,1,1-Trichloroethane	AVRG	1.95429630	5.3*
Carbon Tetrachloride	AVRG	1.21997522	12.6*
Bromodichloromethane	AVRG	0.25736023	10.6*
1,2-Dichloropropane	AVRG	0.25596678	1.1*
cis-1,3-Dichloropropene	AVRG	0.32435893	13.5*
Trichloroethene	AVRG	0.24988159	3.0*
Dibromochloromethane	AVRG	0.19220005	19.1*
1,1,2-Trichloroethane	AVRG	0.23645448	2.3*
Benzene	AVRG	1.12335223	2.2*
trans-1,3-Dichloropropene	AVRG	0.32007002	20.4*
2-Chloroethyl Vinyl Ether	AVRG	0.17768703	5.8*
Bromoform	AVRG	0.10752597	30.5*
4-Methyl-2-Pentanone	AVRG	0.22743356	6.0*
2-Hexanone	AVRG	0.19162582	6.8*
Tetrachloroethene	AVRG	0.27380841	5.2*
1,1,2,2-Tetrachloroethane	AVRG	0.35666078	2.5*
Toluene	AVRG	1.37314854	3.8*
Chlorobenzene	AVRG	0.81749262	2.4*
Ethylbenzene	AVRG	0.42612409	3.3*
Styrene	AVRG	0.88937650	2.9*
Xylene (Total)	AVRG	0.52509686	3.2*
Ethyl Ether	AVRG	1.39094994	4.1*
Acrolein	AVRG	0.03028899	36.0*
Freon TF	AVRG	1.46941404	7.2*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS11 Calibration Date(s): 11/10/05 11/10/05

Heated Purge: (Y/N) N Calibration Time(s): 1255 1534

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Isopropanol	AVRG		
Acetonitrile	AVRG	0.03783073	4.3*
TBA	AVRG	0.23473216	6.0*
Acrylonitrile	AVRG	0.69057003	3.2*
MTBE	AVRG	5.75233061	2.0*
Hexane	AVRG		
DIPE	AVRG	4.62078450	3.1*
Ethyl Acetate	AVRG	0.22087146	2.0*
Vinyl Acetate	AVRG	4.02363596	2.6*
Tetrahydrofuran	AVRG		
Cyclohexane	AVRG	2.27978153	4.4*
Isobutanol	AVRG		
Isopropyl Acetate	AVRG	0.45606986	5.3*
n-Heptane	AVRG		
n-Butanol	AVRG	0.04074896	18.7*
Propyl Acetate	AVRG	0.36064238	3.4*
Butyl Acetate	AVRG	0.41151151	8.7*
1,2-Dibromoethane	AVRG	0.26905287	4.1*
1,3-Dichlorobenzene	AVRG	0.60551330	3.6*
1,4-Dichlorobenzene	AVRG	0.61755294	3.5*
1,2-Dichlorobenzene	AVRG	0.58866136	2.5*
Naphthalene	AVRG	1.20424441	10.8*
Methylnaphthalene (total)	AVRG		
Dimethylnaphthalene (total)	AVRG		
Dichlorodifluoromethane	AVRG	2.03927372	5.2*
1,4-Dioxane	AVRG	0.00407813	9.6*
n-Pentane	AVRG	0.26131478	9.0*
5-Methyl-2-Hexanone	AVRG		
Isopropylbenzene	AVRG	1.16469977	3.7*
1,2,4-Trimethylbenzene	AVRG	1.02191141	3.8*
Cyclohexanone	AVRG		
1,2,4-Trichlorobenzene	AVRG	0.35279191	5.6*
Methyl Methacrylate	AVRG	0.08110745	6.9*
Allyl Alcohol	AVRG		
Epichlorohydrin	AVRG	0.02805881	5.9*
Allyl Chloride	AVRG		
Benzyl Chloride	AVRG		
Isoprene	AVRG	2.10042864	5.3*
1,1,1,2-Tetrachloroethane	AVRG	0.17724234	17.8*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS11 Calibration Date(s): 11/10/05 11/10/05

Heated Purge: (Y/N) N Calibration Time(s): 1255 1534

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Camphene (total)	AVRG		
Camphor	AVRG		
1,3,5-Trimethylbenzene	AVRG	0.99306650	3.7*
1,2,3-Trichlorobenzene	AVRG	0.34945659	9.7*
n-Butylbenzene	AVRG	0.84343975	8.1*
sec-Butylbenzene	AVRG	1.06942179	6.0*
tert-Butylbenzene	AVRG	0.76389092	4.5*
p-Isopropyltoluene	AVRG	0.93606551	5.5*
n-Propylbenzene	AVRG	1.44489700	5.2*
m+p-Ethyltoluene	AVRG		
o-Ethyltoluene	AVRG		
Methyl Acetate	AVRG	1.74342078	7.6*
Methyl cyclohexane	AVRG	0.35681918	2.7*
1,2-Dibromo-3-chloropropane	AVRG	0.05223796	22.2*
Cyclohexene	AVRG		
1,2-Dichlorotrifluoroethane	AVRG		
n-Propanol	AVRG		
3-Methyl-1-Pentyn-3-ol	AVRG		
Propylene Oxide	AVRG		
Ethanol	AVRG		
Chlorotrifluoroethane	AVRG		
Dichlorofluoromethane	AVRG		
Ethylene Oxide	AVRG		
Methyl Formate	AVRG		
Isobutyraldehyde	AVRG		
Amyl Acetate	AVRG		
1,2,3-Trichloropropane	AVRG	0.10277167	3.4*
Chlorodifluoromethane	AVRG		
1,3-Dichloropropane	AVRG	0.49346435	0.5*
Dibromomethane	AVRG	0.15282797	2.5*
1-Propene	AVRG	0.44707302	4.6*
2-Chloropropane	AVRG	2.44986625	3.3*
1-Chloropropane	AVRG	2.30192662	16.2*
1,2-Dichloroethane-d4 (SUR)	AVRG	0.05156452	1.7*
Toluene-d8 (SUR)	AVRG	1.34284457	0.6*
Bromofluorobenzene (SUR)	AVRG	0.37175160	1.3*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

Surrogate Compound Recovery Summary

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
METHOD 624

Matrix: WATER Level: LOW Lab Job No: I456

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
01	NV312B	101	99	97		0
02	684309	101	99	98		0
03	684310	103	98	98		0
04	684311	104	98	99		0
05	684313	103	99	99		0
06	684314	100	99	98		0
07	684315	102	98	97		0
08	NV314A	98	98	99		0
09	684312	102	99	98		0
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		QC LIMITS
S1	= 1,2-Dichloroethane-d4	(69-131)
S2	= Toluene-d8	(60-131)
S3	= Bromofluorobenzene	(67-128)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Spike Recovery Summary

VOLATILE SPIKE RECOVERY SUMMARY
METHOD 624

Matrix: WATER

Level: LOW

Matrix Spike - Lab Sample No.: 684053

MS Sample from Lab Job No: I404

QA Batch: 0187

Compound	MS % REC.	BS % REC.	LIMITS
Chloromethane	80	105	0-273
Bromomethane	190	85	0-242
Vinyl Chloride	90	105	0-251
Chloroethane	190	100	14-230
Methylene Chloride	90	110	0-221
Trichlorofluoromethane	140	100	17-181
1,1-Dichloroethene	120	110	0-234
1,1-Dichloroethane	105	105	59-155
trans-1,2-Dichloroethene	105	105	54-156
Chloroform	100	95	51-138
1,2-Dichloroethane	105	100	49-155
1,1,1-Trichloroethane	110	105	52-162
Carbon Tetrachloride	110	100	70-140
Bromodichloromethane	105	100	35-155
1,2-Dichloropropane	105	100	0-210
cis-1,3-Dichloropropene	85	90	0-227
Trichloroethene	105	100	71-157
Dibromochloromethane	100	90	53-149
1,1,2-Trichloroethane	110	100	52-150
Benzene	110	105	37-151
trans-1,3-Dichloropropene	85	90	17-183
2-Chloroethyl Vinyl Ether	0	90	0-305
Bromoform	100	90	45-169
Tetrachloroethene	105	100	64-148
1,1,2,2-Tetrachloroethane	110	100	46-157
Toluene	105	100	47-150
Chlorobenzene	110	100	37-160
Ethylbenzene	110	100	37-162
1,3-Dichlorobenzene	105	100	59-156
1,4-Dichlorobenzene	105	100	18-190

* Values outside of QC limits

VOLATILE SPIKE RECOVERY SUMMARY
METHOD 624

Matrix: WATER

Level: LOW

Matrix Spike - Lab Sample No.: 684053

MS Sample from Lab Job No: I404

QA Batch: 0187

Compound	MS % REC.	BS % REC.	LIMITS
1,2-Dichlorobenzene	110	100	18-190

* Values outside of QC limits

Spike Recovery: 0 out of 62 outside limits

COMMENTS: _____

Internal Standard Area and RT Summary

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): N15499 Date Analyzed: 11/08/05

Instrument ID: VOAMS11 Time Analyzed: 0814

		IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#
	12 HOUR STD	226139		2.33		1350543		3.13		1092182		6.34	
	UPPER LIMIT	452278		2.83		2701086		3.63		2184364		6.84	
	LOWER LIMIT	113070		1.83		675272		2.63		546091		5.84	
	LABORATORY SAMPLE NO.												
01	NV312B	208825		2.33		1301522		3.13		1045904		6.34	
02	684309	209073		2.33		1294802		3.13		1027634		6.34	
03	684310	208976		2.33		1298645		3.13		1026682		6.34	
04	684311	204896		2.33		1290037		3.13		1027272		6.34	
05	684313	206396		2.33		1279407		3.13		1021373		6.34	
06	684314	209788		2.33		1295879		3.13		1025946		6.34	
07	684315	207692		2.33		1284401		3.13		1018861		6.34	
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22													

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): N15580 Date Analyzed: 11/10/05

Instrument ID: VOAMS11 Time Analyzed: 1320

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	183448	2.29	1209229	3.07	947727	6.27
	UPPER LIMIT	366896	2.79	2418458	3.57	1895454	6.77
	LOWER LIMIT	91724	1.79	604614	2.57	473864	5.77
	LABORATORY SAMPLE NO.						
01	NV314A	199934	2.29	1314319	3.08	1014888	6.27
02	684312	200783	2.29	1291317	3.08	998133	6.27
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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